

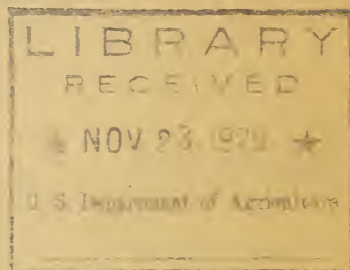
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**LIST OF TECHNICAL WORKERS
IN THE DEPARTMENT OF AGRICULTURE
AND
OUTLINE OF DEPARTMENT
FUNCTIONS**

1929



MISCELLANEOUS PUBLICATION No. 63



**UNITED STATES
DEPARTMENT OF AGRICULTURE
WASHINGTON, D. C.**

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WASHINGTON, D. C.

JULY 1, 1929

LIST OF TECHNICAL WORKERS IN THE DEPARTMENT OF AGRICULTURE, AND OUTLINE OF DEPARTMENT FUNCTIONS

1929

Compiled in the Office of
Personnel and Business Administration



UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1929

Sci., Scientific, Scientist.

Secy., Secretary.

Silv., Silviculture, Silvicultural, Silviculturist.

Sociol., Sociology.

Spec., Specialist.

Sr., Senior.

Sta., Station.

Stat., Statistics, Statistical, Statistician.

Substa., Substation.

Supt., Superintendent.

Super., Supervisor.

Surv., Survey, Surveyor.

Tech., Technical, Technician.

Technol., Technology, Technological, Technologist.

Transp., Transportation.

Univ., University.

Util., Utilization.

Vet., Veterinary, Veterinarian.

Wareh., Warehouse, Warehousing.

Zool., Zoology, Zoologist.

Note.—The asterisk (*) following names in "List of Workers" is used to indicate married women (Mrs.).

OUTLINE OF FUNCTIONS OF UNITED STATES DEPARTMENT OF AGRICULTURE

OFFICE OF THE SECRETARY

The Secretary of Agriculture is charged with the work of promoting agriculture in its broadest sense. He exercises general supervision and control over the affairs of the department and formulates and establishes the general policies to be pursued by its various branches. The general administrative staff of the department under the "Office of the Secretary" includes, in addition to the Secretary's immediate office, the offices of the Assistant Secretary, the Directors of Scientific, Regulatory, and Extension Work, the Director of Personnel and Business Administration, the Director of Information, and the Solicitor. The Assistant Secretary assists the Secretary in the general supervision of the work of the department and acts for the Secretary in his absence. Each of the five directors, reporting directly to the Secretary, has general supervision over all the work of the department of the type which the title of his position implies. Under the organization of the Office of the Secretary are included, in addition to the general administrative branches mentioned, the Office of Information, Office of Experiment Stations, Extension Service, the Library, and the Office of the Solicitor.

OFFICE OF PERSONNEL AND BUSINESS ADMINISTRATION

This office has general direction and supervision of the personnel and of the business operations of the department as a whole, including the coordination and improvement of such business activities of its various bureaus and offices as personnel administration, organization, budget and fiscal matters, purchases and supplies, traffic, housing, and care of buildings and equipment. This office conducts the business of the department with the Civil Service Commission, the Personnel Classification Board, the Employees' Compensation Commission, the Bureau of Efficiency, the Bureau of the Budget, the General Accounting Office, the retirement division of the Pension Bureau, the various boards operating under authority of the Chief Coordinator, and similar agencies.

OFFICE OF INFORMATION

The Office of Information supervises the expenditure of the appropriations for printing and binding for the department; conducts all business of the department transacted with the Government Printing Office; has general supervision of all editing, printing, indexing, illustrating, binding, and distribution of publications, and the maintenance of mailing lists; and maintains an addressing, duplicating, and mailing section to serve the various bureaus of the department. This office secures the circulation in popular form of the discoveries and recommendations of the scientists, specialists, and field workers of the department; gives out to the public press agricultural facts taken from publications and official orders, and also from oral statements of specialists, this material being presented in such form as to attract public attention, be easily understandable, and lead to the adoption of methods recommended; and keeps in close touch with correspondents and other writers, providing suggestions and material for articles. It also furnishes daily, through broadcasting from many stations in all parts of the United States, authentic information of practical use to farmers and others concerning the discoveries made by the department and the farm practices recommended by it; and answers by radio questions in all fields of agriculture and home economics.

LIBRARY

The department library, with its branch libraries in the various bureaus, contains approximately 210,000 volumes on agriculture and the related sciences and receives currently 3,600 periodicals.

The dictionary card catalogue of the main library, containing more than a half million cards, is a record of the book resources of the whole department. It is supplemented by several extensive special indexes which are maintained by the various bureau libraries. These together form the most comprehensive bibliography of agriculture and the related sciences available in the United States. A series of Bibliographical Contributions is issued by the library in mimeographed form, and a separate series of Agricultural Economics Bibliographies is issued by the Bureau of Agricultural Economics library.

OFFICE OF EXPERIMENT STATIONS

The Office of Experiment Stations exercises supervision over the operations of the State agricultural experiment stations under Federal appropriations authorized by the Hatch, Adams, and Purnell Acts for research, and affords such advice and assistance as will best promote the efficiency of these activities. It also collects and disseminates information regarding similar institutions in foreign countries and publishes the Experiment Station Record, reviewing the progress of agricultural research throughout the world. The experiment stations of the Department of Agriculture in Alaska, Hawaii, Porto Rico, Guam, and the Virgin Islands are also conducted under the general direction of this office.

EXTENSION SERVICE

The Extension Service cooperates with the State agricultural colleges in the conduct of extension work in agriculture and home economics under the Smith-Lever Act, and acts as an agency for coordinating the extension activities of the several bureaus of the department with similar work carried on by the State agricultural colleges. It conducts demonstrations on reclamation projects to assist settlers in making a success of their farm enterprises. It also has charge of the preparation, installation, and display of agricultural exhibits at State, interstate, and international fairs and of the motion-picture activities of the department.

WEATHER BUREAU

The Weather Bureau has charge of the forecasting of the weather; issue and display of weather forecasts and storm, cold-wave, frost, forest-fire weather, and flood warnings; gauging and reporting of river stages; collection and transmission of marine intelligence for the benefit of commerce and navigation; collection and furnishing of meteorological information and forecasts, including upper-air observations, for the benefit of air navigation; reporting of temperature and rainfall conditions for agricultural interests; and the taking of such meteorological observations as may be necessary to determine and record the climatic conditions of the United States.

BUREAU OF ANIMAL INDUSTRY

The Bureau of Animal Industry is primarily concerned with the protection and development of the livestock and meat industries of the United States. It conducts scientific investigations of the causes, prevention, and treatment of diseases of domestic animals; investigates the existence of communicable diseases of such animals, and aids in their control or eradication; and carries on investigations and experiments in animal husbandry and in the feeding and breeding of animals. It also is charged with the administration of the meat inspection act, the animal quarantine acts, the 28-hour law, the diseased animal transportation acts, the virus-serum-toxin act, and the act relating to the supervision of the business in interstate commerce of packers, public stockyard markets, and commission men, traders, and other agencies operating in the public stockyards markets of the United States.

BUREAU OF DAIRY INDUSTRY

The Bureau of Dairy Industry conducts investigations of the various problems of dairy production, manufacture, and utilization, and the manufacture and utilization of dairy by-products. New principles and methods developed in the investigational work of the Bureau are introduced into the field. The bureau also supervises the inspection of renovated-butter factories.

BUREAU OF PLANT INDUSTRY

The activities of the Bureau of Plant Industry are primarily devoted to plant research and related problems. This work includes the study of destructive plant diseases and the establishment of methods of eradication and control; the improvement of crop, ornamental, or other plants by breeding and selection; the introduction of promising seeds and plants from foreign countries; the improvement of methods of plant production; and the utilization of plants of economic value.

Campaigns to control or eradicate certain plant diseases are conducted in cooperation with the authorities of the States concerned. The 13 States interested in spring-wheat production are cooperating to eradicate the common barberry throughout this area as a means of controlling epidemics of black stem rust of wheat. The New England, Great Lakes, and Northwestern States are cooperating in the eradication of the black currant and related plants as a means of controlling or preventing the spread of blister rust of white pine. The Gulf States are cooperating in the eradication of the canker of citrus trees and fruits.

The regulatory activities of the bureau are limited to the enforcement of the Federal seed act.

In addition to the experimental activities of the bureau at the Arlington, (Va.), Experiment Farm, which is immediately adjacent to the District of Columbia, the bureau is operating field stations or laboratories in practically all the major cropping regions of the United States and is maintaining direct cooperative experiments with the State agricultural colleges and experiment stations.

FOREST SERVICE

The Forest Service administers the national forests; cooperates with States in maintaining organized protection of forest lands against fire and in distributing planting stock to farmers for windbreaks, shelterbelts, and farm woodlands; conducts investigations in the entire field of forestry, including industrial research and research in forest economics and taxation; diffuses information relating to the best uses of forests and forest products; and, in short, seeks to promote the application of forestry throughout the country on both public and privately owned lands, together with efficient and economical use of the yield. The national forests contain approximately 159,000,000 acres of Government-owned land and nearly one-fourth of the timber in the United States, besides forage and recreation resources of great public value. The administration of the national forests aims to coordinate and develop to the utmost the use of all their resources in the best public interest. Technical methods of forestry are applied to the growing and harvesting of timber. Livestock grazing is scientifically regulated so as to obtain range conservation along with full use of the annual growth of forage. Sustained and, where possible, increased yields of timber and forage are obtained. Water from the protected watersheds is made available for power, irrigation, and municipal and domestic supply. Provision is made for many other forms of national-forest land use under regulation. Systematic protection is provided against fire and other destructive agencies.

BUREAU OF CHEMISTRY AND SOILS

The work of this bureau is organized along three major lines: (1) Chemical and technological research, (2) soil investigations, and (3) fertilizer and fixed-nitrogen investigations.

(1) Under "chemical and technological research" is grouped the work relating to the application of the science of chemistry to the improvement of agriculture, development of processes for the utilization of agricultural products, and biological investigations of foods, including studies of their physiological effects on the human organism; experiments on the utilization, for coloring, medicinal, and technical purposes of raw materials; development of improved processes in the production of rosin and turpentine; investigations in the development of methods of manufacturing insecticides and fungicides; improvement of methods for dehydrating materials used for food; and development of means to prevent farm fires and dust explosions and resulting fires, including fires in grain mills and elevators, cotton gins, cotton-oil mills, etc.

(2) Under "soil investigations" is grouped all the soil work of the bureau, including the classification and mapping of the soils of the United States, studies of the agricultural value of soils, their characteristics in relation to productive-

ness, their origin and development, and their chemical and mechanical compositions; research in soil microbiology; investigations of the response of soils to fertilizers and other soil amendments; and studies of soil erosion, with a view to determining the principles which should guide in the control and prevention of soil erosion.

(3) Under "fertilizer and fixed-nitrogen investigations" are grouped studies of the fertilizer resources of the country and methods of manufacturing fertilizer materials, including nitrogen and its fixation, phosphates, potash, concentrated fertilizers, organic waste products, and miscellaneous soil amendments.

BUREAU OF ENTOMOLOGY

The Bureau of Entomology conducts investigations in economic entomology, involving studies of the life history and habits of insects injurious and those beneficial to agriculture, horticulture, and arboriculture, with a view to developing practical methods for destroying those found to be injurious and promoting the increase and spread of those found to be beneficial. It studies bee culture and beekeeping practices and investigates the life history and control of insects affecting the health of man and animals.

BUREAU OF BIOLOGICAL SURVEY

The Bureau of Biological Survey is engaged in those forms of research work, conservation and control operations, and enforcement of laws that relate to vertebrate wild animals (except fishes), in the interests of agriculture, horticulture, stock raising, forestry, and recreation, and the natural requirements of the wild life itself. Its activities embrace field investigations and laboratory studies, including biological surveys of areas, of the distribution, migration, classification, natural history, food habits, and food resources of birds and other animals and their diseases and parasites; experiments in the production of fur-bearing animals in captivity and demonstration of improved practices developed therefrom; studies of the propagation of game birds; investigations for the improvement of the reindeer industry in Alaska; and development of effective methods for the control of predatory animals, including stock killers, rodents, injurious birds, and other destructive species. Control operations are conducted by organized field forces in cooperation with State and other organizations. Eighty-two wild-life reservations are maintained for the conservation of game and other animals and birds, and work is under way for the acquisition of numerous additional refuges at concentration points of migratory birds. The bureau administers Federal laws for the conservation of migratory birds, protection of animals and property on wild-life reservations, and prevention of illegal interstate shipments of bodies of wild animals and of the entry of injurious foreign species; and, through representation on and cooperation with the Alaska Game Commission, assists in the enforcement of the Alaska game law.

BUREAU OF PUBLIC ROADS

The Bureau of Public Roads handles the engineering work of the Department of Agriculture. This work is divided into two main branches—highway engineering and agricultural engineering.

(1) The highway engineering branch deals with all highway functions of the department contemplated by the regular appropriations, including the conduct of highway research, and also with the work of administering the Federal-aid and forest road appropriations.

(2) The agricultural engineering branch conducts investigations of farm irrigation and drainage, farm machinery, farm buildings, and other rural engineering problems.

BUREAU OF AGRICULTURAL ECONOMICS

The Bureau of Agricultural Economics conducts studies of the economics of production and marketing, agricultural cooperation, farm organization, farm financial relations, farm labor, land economics, and the problems of rural life. It acquires and disseminates current information regarding the marketing and distribution of farm products; collects, compiles, summarizes, interprets, and makes public statistical data relating to agricultural production; studies marketing methods and conditions, and the standardization, transportation, handling,

financing, and storage of agricultural products; prepares and publishes reports on the outlook for farm products; and issues quarterly reports on stocks of leaf tobacco.

Reports are issued which furnish information on the supply, commercial movement, disposition, and market prices of fruits and vegetables, livestock and meats, dairy and poultry products, hay, feed, seeds, and other products. Information is obtained and published also with regard to the supply of and demand for certain agricultural products in foreign countries. A market inspection service is available in many of the principal producing areas and receiving centers on fruits and vegetables, hay, beans, broomcorn, tobacco, and other products, and a grading service is conducted on dairy and poultry products and on meats.

Regulatory work is performed in connection with the enforcement of the cotton futures act, cotton standards act, grain standards act, standard container act, standard hamper act, and produce agency act, and the administration of the warehouse act. The Center Market in the city of Washington is also operated by this bureau.

BUREAU OF HOME ECONOMICS

The Bureau of Home Economics conducts scientific studies of problems connected with the home, including questions of food and nutrition, economics, textiles and clothing, and housing and equipment. It assists the homemaker in the solution of these problems by sending information through bulletins, articles for newspapers and magazines, and radio releases. The bureau employs no field agents, but through the home demonstration agents under the Extension Service and the State colleges it is in close contact with homemakers and professional home economics workers throughout the country.

PLANT QUARANTINE AND CONTROL ADMINISTRATION

The Plant Quarantine and Control Administration is charged with the enforcement of the plant quarantine act, regulating the importation of plants and plant products, including nursery stock, fruits, vegetables, cotton, and other plants and plant products necessary to exclude new and dangerous plant pests, as well as the movement within the United States of any plant or plant product or other article necessary to prevent the spread of new plant pests which have more or less limited foothold. In addition, it enforces quarantines and conducts control activities for preventing the spread of such pests as the Mediterranean fruit fly, pink bollworm of cotton, *Thurberia weevil*, date scale, gipsy and brown-tail moths, European corn borer, Japanese and Asiatic beetles, Mexican fruit worm, and white-pine blister rust.

This administration also enforces the act providing for the Mexican border inspection and control service; the act providing for export certification of domestic fruits, vegetables, seeds, and nursery stock and other plants for propagation; the insect pest act of 1905; and, in cooperation with the Post Office Department, the terminal inspection act of 1915.

GRAIN FUTURES ADMINISTRATION

The Grain Futures Administration is charged with the carrying out of the provisions of the grain futures act of September 21, 1922, which brings under the supervision of the Federal Government all trading in grain futures at grain exchanges designated as contract markets by the Secretary of Agriculture. The work consists of compiling daily reports of transactions in grain futures from all markets, in checking the dissemination of false and misleading information which affects or tends to affect the prices of grain, and in making general observations of the entire grain marketing machinery, with a view to prevent abnormal fluctuation of prices and to create market conditions which will reflect supply and demand. The results of investigations concerning the operations of contract markets are published from time to time for the information of Congress and the general public. In cooperation with other Government agencies, the administration also makes investigations of grain and grain products and by-products, including supply and demand, cost to the consumer, and handling and transportation charges.

FOOD, DRUG, AND INSECTICIDE ADMINISTRATION

The Food, Drug, and Insecticide Administration enforces the food and drugs act, tea act, naval stores act, insecticide act, import milk act, and caustic poison act.

This administration inspects and analyzes samples of the various products coming under its surveillance, both at its field stations and in its laboratories at Washington, to the end that it may detect and cause to be removed from the channels of trade all those that fail to comply with the terms of the acts which it enforces. It assists manufacturers to keep their products in compliance with these acts and institutes legal action against those who violate the law. Its primary function is to protect the consuming public against misbranded or adulterated foods, drugs, naval stores, insecticides, and fungicides, and honest manufacturers against enforced competition with such goods.

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Chemical Investigations Dips & Disinfectants.

Robert M. Chapin, B. A., *Sr. Biochem.*

Percy W. LeDuc, A. B., *Assoc. Chem.*

Investigations of Hog Cholera (Washington, D. C.)

Chief of Division in charge.

Frank W. Tilley, A. B., M. D., *Sr. Bact.*

Angus D. MacDonald, D. V. M., *Asst. Vet.*

FIELD HEADQUARTERS.**Iowa—Ames:**

Charles N. McBryde, M. S., M. D., Ph. D., *Bact., in charge.*

W. B. Niles, D. V. M., *Assoc. Vet.*

C. G. Cole, D. V. M., *Jr. Vet.*

Chemical Investigations Toxins and Antitoxins.

Robert R. Henley, M. S., *Sr. Biochem.*

Percy W. LeDuc, A. B., *Asst. Chem.*

Angus D. MacDonald, D. V. M., *Assoc. Vet.*

Meat Inspection Research.

A. Value of different tissues for food.

Ralph Hoagland, B. Agr., *Sr. Biochem.*

G. G. Snider, A. B., *Sr. Sci. Aid.*

B. Rancidity—Biological Methods for Identifying Meats.

Wilmer C. Powick, B. S., *Sr. Biochem.*

Joseph W. Etheridge, D. V. M., *Jr. Vet.*

Bacteriological & Pathological Investigations Bacterial White Diarrhea, Young Chicks (Bethesda, Md.)

Hubert Bunyea, D. V. S., A. B., *Assoc. Vet.*

Walter J. Hall, V. M. D., *Jr. Vet.*

Willard G. Lockwood, D. V. M., *Jr. Vet.*

Investigation of Relation Between Chemical Structure and Parasiticide Power.

Jacob M. Schaffer, M. S., *Chem.*

Bacteriological Investigations Disinfectants.

Frank W. Tilley, A. B., M. D., *Sr. Bact.*

**Preparation and Distribution Tuberculin and Mal-
lein.**

Percy W. LeDuc, A. B., *Assoc. Chem.*

Albert M. West, B. S., *Asst. Bact.*

Angus D. MacDonald, D. V. M., *Asst. Vet.*

Joseph W. Etheridge, D. V. M., *Jr. Vet.*

Oscar H. Griffith, *Under Sci. Helper.*

Joseph Rose, *Jr. Sci. Aid.*

FIELD INSPECTION DIVISION

G. W. Pope, D. V. S., *Prin. Vet., Chief.*

W. P. Ellenberger, D. V. S., *Sr. Vet., Asst. Chief.*

International Inspection and Quarantine.

California:

Calexico—

J. C. Pace, D. V. S., *Jr. Vet., Insp. in charge.*

Los Angeles—

E. P. Schaffter, V. S., *Assoc. Vet., Insp. in charge.*

San Diego—

Jens Madsen, M. D., D. V. M., *Assoc. Vet., Insp. in charge.*

San Francisco—

H. H. Hicks, M. D. V., *Assoc. Vet., Insp. in charge.*

England—London:

R. W. Tuck, D. V. S., *Vet., Insp. in charge.*

Louisiana—New Orleans:

G. T. Cole, V. M. D., *Assoc. Vet., Insp. in charge.*

Maine:

Calais—

R. D. Hyde, D. V. M., *Asst. Vet., Insp. in charge.*

Houlton—

I. H. Kaufman, D. V. M., *Asst. Vet., Insp. in charge.*

Maryland—Baltimore:

R. W. Culbert, D. V. S., *Vet., Insp. in charge.*

Massachusetts—Boston:

A. F. Staub, D. V. M., D. V. S., *Vet., Insp. in charge.*

Michigan:

Detroit—

R. F. Vermilya, D. M. C., *Assoc. Vet., Insp. in charge.*

Port Huron—

C. H. Canfield, D. V. M., *Asst. Vet., Insp. in charge.*

Montana—Helena:

J. W. Murdoch, D. V. S., *Assoc. Vet., Insp. in charge.*

G. H. Ehlers, D. V. M., *Asst. Vet.*

E. J. Drake, D. V. S., *Asst. Vet.*

New Jersey—Clifton:

James Fleming, V. S., M. D., *Vet., Insp. in charge.*

New York:

Albany—

G. H. Woolfolk, D. V. S., *Assoc. Vet., Insp. in charge.*

Buffalo—

B. P. Wende, D. V. S., *Vet., Insp. in charge.*

C. R. Perkins, D. V. M., *Asst. Vet.*

International Inspection and Quarantine—Con.

New York—Continued.

New York—

James Fleming, V. S., M. D., *Vet., Insp. in charge.*

Wm. R. Rosekrans, D. V. S., *Asst. Vet.*

Ogdensburg—

C. O. Benson, D. V. S., *Asst. Vet., Insp. in charge.*

Rouses Point—

D. G. Shumway, V. M. D., *Assoc. Vet., Insp. in charge.*

Watertown—

L. N. Dodge, D. V. M., *Jr. Vet., Insp. in charge.*

North Dakota—Bismarck:

H. H. Cohenour, M. D. V., *Assoc. Vet., Insp. in charge.*

Augustus Berdan, D. V. S., *Asst. Vet.*

Irvin Meyers, D. V. M., *Asst. Vet.*

Oregon—Portland:

M. O. Anderson, V. S., *Assoc. Vet., Insp. in charge.*

Pennsylvania—Philadelphia:

Thomas Castor, V. M. D., *Assoc. Vet., Insp. in charge.*

Porto Rico—San Juan:

Juan Veras Catala, V. S., *Vet., Insp. in charge.*

Texas:

El Paso—

T. A. Bray, D. V. S., *Asst. Vet., Insp. in charge.*

J. C. Reid, D. V. S., *Asst. Vet.*

H. L. Box, D. V. S., *Asst. Vet.*

Houston—

C. F. Palmer, D. V. S., *Assoc. Vet., Insp. in charge.*

San Antonio—

Wm. Thompson, M. D. C., *Assoc. Vet., Insp. in charge.*

N. E. Dutro, D. V. S., *Asst. Vet.*

W. E. Turner, D. V. M., *Asst. Vet.*

Vermont—Newport:

J. E. Spindler, V. M. D., *Asst. Vet., Insp. in charge.*

Washington:

Seattle—

C. L. Norris, D. V. S., *Assoc. Vet., Insp. in charge.*

Spokane—

E. D. Kennedy, D. V. S., *Assoc. Vet., Insp. in charge.*

Scabies and Dourine Eradication.

California—Sacramento:

R. Snyder, M. D. C., *Assoc. Vet., Insp. in charge.*

C. R. Behler, M. D. C., *Asst. Vet.*

C. J. Cook, D. V. M., *Asst. Vet.*

Chas. Pearson, D. V. S., *Asst. Vet.*

D. E. Settle, D. V. S., *Asst. Vet.*

M. S. Shahan, D. V. M., *Jr. Vet.*

A. E. Wardlow, D. V. M., *Asst. Vet.*

Colorado—Denver:

W. E. Howe, D. V. M., *Assoc. Vet., Insp. in charge.*

E. A. Meyer, D. V. S., *Asst. Vet.*

L. B. Dunlap, D. V. M., *Asst. Vet.*

Scabies and Dourine Eradication—Continued.**Colorado—Denver—Continued.**

G. R. Teeple, V. S., *Asst. Vet.*
 C. E. Burkholder, D. V. S., *Asst. Vet.*
 C. C. Rubenstein, D. V. M., *Asst. Vet.*

Kansas—Topeka:

N. L. Townsend, V. M. D., *Assoc. Vet., Insp. in charge.*
 P. I. Kershner, D. V. S., *Asst. Vet.*
 Chas. Webster, D. V. M., *Asst. Vet.*

Kentucky—Frankfort:

W. F. Biles, D. V. M., *Assoc. Vet., Insp. in charge.*

Warren Sorrel, D. V. S., *Asst. Vet.*

Louisiana—Baton Rouge:

C. J. Becker, D. V. M., *Assoc. Vet., Insp. in charge.*

Montana—Helena:

J. W. Murdoch, D. V. S., *Assoc. Vet., Insp. in charge.*
 J. H. Shoemaker, D. V. M., *Asst. Vet.*
 W. E. Logan, D. V. M., *Asst. Vet.*

Nebraska—Lincoln:

A. H. Francis, D. V. M., *Assoc. Vet., Insp. in charge.*
 J. M. Simpson, M. D. V., V. S., *Asst. Vet.*
 W. A. Montgomery, D. V. M., *Asst. Vet.*
 G. A. Bostrom, D. V. M., B. S., Ph. G., Jr. *Vet.*

New Mexico—Albuquerque:

F. L. Schneider, B. S., D. V. S., *Vet., Insp. in charge.*
 H. E. Kemper, D. V. M., *Asst. Vet.*
 H. E. Pine, D. V. S., *Asst. Vet.*
 W. A. Savage, M. D. C., *Asst. Vet.*
 T. W. Crump, D. V. S., *Asst. Vet.*
 C. A. Curtis, D. V. S., *Asst. Vet.*
 J. L. Flanigan, D. V. M., *Asst. Vet.*
 M. A. Harp, D. V. M., *Asst. Vet.*
 S. W. Wiest, D. V. M., *Asst. Vet.*

North Dakota—Bismarck:

H. H. Cohenour, M. D. V., *Assoc. Vet., Insp. in charge.*

Oklahoma—Oklahoma City:

L. J. Allen, D. V. S., *Vet., Insp. in charge.*
 W. F. Dunaway, D. V. S., *Asst. Vet.*

South Dakota—Pierre:

J. O. Wilson, D. V. M., *Assoc. Vet., Insp. in charge.*
 G. W. Cronen, D. V. M., *Asst. Vet.*
 C. C. Heacock, V. S., *Asst. Vet.*
 M. M. Davis, D. V. M., B. V. S., Jr. *Vet.*

Texas—Fort Worth:

H. L. Darby, D. V. S., *Vet., Insp. in charge.*
 Clifton Carter, D. V. S., A. B., *Asst. Vet.*
 P. M. James, D. V. M., *Asst. Vet.*
 W. A. Curtis, D. V. S., *Asst. Vet.*
 J. G. Porter, V. M. D., *Asst. Vet.*

Utah—Salt Lake City:

F. E. Murray, D. V. M., *Assoc. Vet., Insp. in charge.*
 W. T. Huffman, M. D. V., *Asst. Vet.*
 R. W. McGinnis, D. V. M., *Asst. Vet.*

Washington—Olympia:

J. C. Exline, D. V. M., *Assoc. Vet., Insp. in charge.*
 G. T. Casper, M. D. V., *Asst. Vet.*

Scabies and Dourine Eradication—Continued.**Washington—Olympia—Continued.**

G. E. Abrams, D. V. M., *Asst. Vet.*
 R. A. Parsons, D. V. M., *Asst. Vet.*

Wyoming—Cheyenne:

John T. Dallas, B. S. A., D. V. M., *Assoc. Vet., Insp. in charge.*
 A. J. Burley, D. V. M., *Asst. Vet.*
 S. E. Springer, V. S., *Asst. Vet.*
 L. S. Smith, D. V. M., *Asst. Vet.*

DIVISION OF HOG-CHOLERA CONTROL

Directed by Assoc. Chief of Bur.

T. P. White, D. V. S., *Sr. Vet., Asst. Chief.*

FIELD STATIONS (work conducted in coop. with State authorities).

Alabama—Birmingham:

R. E. Jackson, V. S., *Assoc. Vet., Insp. in charge.*
 J. W. Venable, D. V. M., *Asst. Vet.*

Arkansas—Little Rock:

Hugh L. Fry, V. M. D., *Assoc. Vet., Insp. in charge.*
 H. W. Willis, D. V. M., *Asst. Vet.*
 W. C. Glockner,¹ V. M. D., *Asst. Vet.*

California—Sacramento:

Rudolph Snyder, D. V. M., *Assoc. Vet., Insp. in charge.*
 Robert Jay,¹ D. V. M., *Asst. Vet.*

Colorado—Denver:

W. E. Howe, D. V. M., *Assoc. Vet., Insp. in charge.*
 E. N. Stout, D. V. S., *Asst. Vet.*

Florida—Tallahassee:

J. G. Fish, D. V. M., *Asst. Vet., Insp. in charge.*
 A. P. Abbott, M. D. V., *Asst. Vet.*

Georgia—Atlanta:

A. L. Hirtleman, D. V. M., *Assoc. Vet., Insp. in charge.*
 Harry Trumbo, D. V. M., *Asst. Vet.*

Idaho—Boise:

W. A. Sullivan, D. V. M., *Assoc. Vet., Insp. in charge.*

Illinois—Springfield:

James McDonald, D. V. M., *Assoc. Vet., Insp. in charge.*
 J. H. Murphy, D. V. M., *Asst. Vet.*
 I. N. Habecker, M. D. V., *Asst. Vet.*

Indiana—Indianapolis:

J. E. Gibson, D. V. M., *Sr. Vet., Insp. in charge.*
 G. N. Wickwire, B. S., D. V. M., D. V. S., *Asst. Vet.*
 H. C. Wilson, D. V. S., *Asst. Vet.*

Iowa—Des Moines:

J. A. Barger, D. V. S., *Sr. Vet., Insp. in charge.*
 J. O. F. Price, D. V. S., *Asst. Vet.*
 A. H. Legenhause, D. C. M., *Asst. Vet.*

Kansas—Topeka:

N. L. Townsend, V. M. D., *Assoc. Vet., Insp. in charge.*
 E. C. Cannon,¹ D. V. S., LL.B., *Asst. Vet.*
 W. A. Decker,¹ D. V. M., *Asst. Vet.*

¹ Devotes part time to hog-cholera control work.

FIELD STATIONS—Continued.

Kansas—Topeka—Continued.

- T. B. Jones,¹ D. V. S., *Asst. Vet.*
 R. C. Patterson,¹ D. V. M., *Asst. Vet.*
 L. C. Songer,¹ D. V. S., *Asst. Vet.*

Kentucky—Frankfort:

- W. F. Biles, D. V. M., *Assoc. Vet., Insp. in charge.*
 R. D. Green, D. V. M., *Asst. Vet.*
 Ocie Carter, D. V. M., *Asst. Vet.*

Louisiana—Baton Rouge:

- C. J. Becker, D. V. M., *Assoc. Vet., Insp. in charge.*
 E. B. Shaw, V. S., M. D. V., *Asst. Vet.*

Maryland—College Park:

- I. K. Atherton, V. S., *Assoc. Vet. (coop.), Insp. in charge.*
 E. J. McLaughlin, D. V. M., *Asst. Vet.*
 O. K. Hoffman, D. V. M., *Asst. Vet.*

Michigan—Lansing:

- T. S. Rich, V. S., *Sr. Vet., Insp. in charge.*
 John Keppel, D. V. M., *Asst. Vet.*
 W. J. Madell, D. V. M., *Asst. Vet.*

Mississippi—Jackson:

- Hartwell Robbins, D. V. S., *Assoc. Vet., Insp. in charge.*
 P. H. Mommsen, D. V. M., *Asst. Vet.*
 Missouri—Jefferson City:
 Ralph Graham, D. V. M., *Assoc. Vet. (coop.), Insp. in charge.*
 S. G. Dreppard, D. V. M., *Asst. Vet.*

Montana—Helena:

- J. W. Murdoch, D. V. S., *Assoc. Vet., Insp. in charge.*

Nebraska—Lincoln:

- A. H. Francis, D. V. M., *Assoc. Vet., Insp. in charge.*
 D. M. Purdy,¹ B. S. A., D. V. M., *Asst. Vet.*
 J. M. Simpson,¹ M. D. V., V. S., *Asst. Vet.*
 F. C. Swaney,¹ M. D. C., *Asst. Vet.*
 J. E. Peterman,¹ D. V. M., *Asst. Vet.*

North Carolina—Raleigh:

- W. C. Dendinger, D. V. M., *Assoc. Vet., Insp. in charge.*
 A. A. Husman, D. V. M., *Asst. Vet.*
 N. B. Tyler, B. S., D. V. M., *Asst. Vet.*

Ohio—Columbus:

- A. J. DeFosset, D. V. M., *Sr. Vet., Insp. in charge.*
 J. B. Hollenbeck, V. S., M. D. C., *Asst. Vet.*

Oklahoma—Oklahoma City:

- Leslie J. Allen, V. S., *Sr. Vet., Insp. in charge.*
 R. T. Fisher, D. V. S., *Asst. Vet.*
 C. H. Fauks, M. D. V., *Asst. Vet.*
 S. A. Watters, D. V. S., *Asst. Vet.*

South Carolina—Columbia:

- W. K. Lewis, D. V. M., *Sr. Vet. (coop.), Insp. in charge.*
 E. E. Lent, D. V. M., *Asst. Vet.*

South Dakota—Pierre:

- J. O. Wilson, D. V. M., *Assoc. Vet., Insp. in charge.*
 C. F. Harrington, M. D. C., *Asst. Vet.*

Tennessee—Nashville:

- H. M. O'Rear, D. V. M., *Assoc. Vet., Insp. in charge.*
 J. P. O'Connor, D. V. S., *Asst. Vet.*

FIELD STATIONS—Continued.

Texas—Ft. Worth:

- H. L. Darby, D. V. S., *Sr. Vet., Insp. in charge.*
 F. D. Porter, V. M. D., *Asst. Vet.*
 Utah—Salt Lake City:
 F. E. Murray, D. V. M., *Assoc. Vet., Insp. in charge.*

Virginia—Richmond:

- R. E. Brookbank, D. V. S., *Assoc. Vet., Insp. in charge.*

T. M. Owen, D. V. S., *Asst. Vet.*

Washington, Oregon—Olympia:

- J. C. Exline, D. V. M., *Assoc. Vet., Insp. in charge.*
 J. A. Grau, D. V. S., *Asst. Vet.*

L. C. Henderson, D. V. S., *Asst. Vet.*

West Virginia—Charleston:

- H. M. Newton, D. V. M., *Assoc. Vet. (coop.), Insp. in charge.*

Wisconsin—Madison:

- J. S. Healy, M. D. V., *Sr. Vet., Insp. in charge.*
 H. D. Larzelere, D. V. M., *Asst. Vet.*

MEAT INSPECTION DIVISION

- R. P. Steddom, V. S., *Prin. Vet., Chief.*
 A. J. Pistor, D. V. S., *Sr. Vet., Asst. Chief.*
 E. C. Joss, B. S., M. D. C., *Sr. Vet., Asst. Chief.*
 W. H. Smith, jr., V. M. D., *Sr. Vet., in charge of special work.*
 F. W. Meyst, D. V. S., *Sr. Vet., in charge of Label Section.*
 R. H. Kerr, B. S., *Sr. Chem., in charge of Meat Insp. Labs.*
 G. H. Parks, *Assoc. Sanitary Engr.*
 L. T. Hopkins, D. V. M., *Assoc. Vet.*
 H. R. McMillin, B. S., *Assoc. Chemist.*
 R. M. Mehurin, B. S., *Assoc. Chemist.*

FIELD STATIONS.

Alabama:

- Birmingham—
 W. H. Meadors, D. V. S., *Asst. Vet., Insp. in charge.*
 Roy Avant, D. V. M., *Asst. Vet.*

Arizona:

- Phoenix—
 S. V. Ewers, D. V. S., *Asst. Vet., Insp. in charge.*
 J. E. Dwyer, D. V. M., *Asst. Vet.*

Arkansas:

- Fort Smith—
 W. B. Nichols, *Prin. Lay Insp., in charge.*
 Helena—
 B. L. McCaslin, *Prin. Lay Insp., in charge.*

California:

- Los Angeles—
 E. P. Schaffter, V. S., *Assoc. Vet., Insp. in charge.*
 J. E. Bard, D. V. S., *Asst. Vet.*
 R. A. McFarland, D. V. M., *Asst. Vet.*
 C. F. Kellogg, D. V. S., *Asst. Vet.*
 A. R. Koen, D. V. S., *Asst. Vet.*
 S. M. Fields, M. D. C., *Asst. Vet.*

San Diego—

- J. Madsen, M. D., D. V. M., *Assoc. Vet., Insp. in charge.*
 R. Darling, D. V. S., *Asst. Vet.*
 C. A. Milner, D. V. S., *Asst. Vet.*

¹ Devotes part time to hog-cholera control work.

FIELD STATIONS—Continued.

California—Continued.

San Francisco—

H. H. Hicks, M. D. V., *Assoc. Vet., Insp. in charge.*

I. J. Anderson, D. V. M., *Asst. Vet.*

L. Bilikam, D. V. M., *Asst. Vet.*

F. Hurlbut, D. V. M., *Asst. Vet.*

J. H. Hogan, D. V. M., *Jr. Vet.*

A. E. Graham, Ph. B., *Assoc. Lab. Insp., in charge of Lab.*

W. C. Owens, A. B., *Asst. Chemist.*

Colorado:

Denver—

T. A. Shipley, D. V. S., *Assoc. Vet., Insp. in charge.*

I. L. Barstow, D. V. M., *Asst. Vet.*

G. W. Bromell, M. D., D. V. S., *Asst. Vet.*

C. M. Chase, D. V. M., *Asst. Vet.*

R. B. Leeper, D. V. S., *Asst. Vet.*

S. R. Nichols, D. V. M., *Asst. Vet.*

W. Pierret, D. V. M., *Asst. Vet.*

H. L. Shorten, D. V. S., *Asst. Vet.*

C. L. Davis, D. V. M., *Asst. Vet.*

W. D. Fountain, D. V. M., *Jr. Vet.*

Pueblo—

E. Himsel, D. V. M., *Asst. Vet., Insp. in charge.*

F. W. Blamey, D. V. M., *Jr. Vet.*

Connecticut:

Bridgeport—

Fred Hern, *Prin. Lay Insp., in charge.*

Hartford—

W. E. Jennings, *Prin. Lay Insp., in charge.*

New Haven—

S. A. Selby, D. V. S., *Asst. Vet., Insp. in charge.*

R. A. Moonan, D. V. M., *Asst. Vet.*

Delaware:

Wilmington—

T. J. Kean, D. V. M., M. D., *Assoc. Vet., Insp. in charge.*

C. A. Schuler, D. V. M., *Asst. Vet.*

District of Columbia:

Washington—

A. R. Smith, V. D. M., *Assoc. Vet., Insp. in charge.*

F. E. Davis, D. V. S., *Asst. Vet.*

W. F. Davis, D. V. S., B. A., *Asst. Vet.*

R. K. Miller, D. V. S., *Asst. Vet.*

A. F. Paul, jr., D. V. M., *Asst. Vet.*

Florida:

Jacksonville—

E. F. Haven, D. V. S., *Asst. Vet., Insp. in charge.*

F. W. Beck, V. M. D., *Asst. Vet.*

W. H. Hudson, D. V. M., *Asst. Vet.*

O. Hinton, V. S., B. V. S., *Jr. Vet.*

Georgia:

Atlanta—

O. W. Seher, D. V. M., *Asst. Vet., Insp. in charge.*

D. B. Strickler, D. V. M., *Asst. Vet.*

D. W. Coppinger, D. V. M., *Jr. Vet.*

Augusta—

J. E. Lovejoy, D. V. S., *Assoc. Vet., Insp. in charge.*

FIELD STATIONS—Continued.

Georgia—Continued.

Augusta—Continued.

J. B. Hill, V. S., *Asst. Vet.*

C. S. Lemon, D. V. S., *Asst. Vet.*

J. R. Farr, D. V. M., *Jr. Vet.*

Moultrie—

G. R. Hartman, D. V. S., *Asst. Vet., Insp. in charge.*

S. D. Hobbs, D. V. M., *Asst. Vet.*

Hawaii:

Honolulu—

J. R. Aufente, D. V. S., *Vet., Insp. in charge.*

Idaho:

Boise—

A. J. Creely, D. V. M., *Asst. Vet., Insp. in charge.*

Lewiston—

F. G. Miller, D. V. M., *Asst. Vet., Insp. in charge.*

Moscow—

A. S. Martin, D. V. M., *Asst. Vet., Insp. in charge.*

Sandpoint—

E. G. Pigman, D. V. M., *Asst. Vet., Insp. in charge.*

Illinois:

Alton—

James Johnston, V. S., M. D., *Asst. Vet., Insp. in charge.*

Chicago—

Herman Busman, V. S., M. D., *Sr. Vet., Insp. in charge, and Trav. Vet. Insp.*

D. D. Tierney, M. D. V., *Assoc. Vet., Asst. Insp. in charge.*

A. J. Noonan, M. D. V., *Asst. Vet., Super.*

C. V. Shaw, D. V. M., *Asst. Vet., Super.*

C. M. Lombard, D. V. M., *Asst. Vet., Super.*

H. H. Horn, D. V. M., *Asst. Vet., Super.*

L. M. Marshall, D. V. M., *Asst. Vet., Super.*

J. W. Havorka, D. V. M., *Asst. Vet., Super.*

G. A. Ahrens, D. V. M., *Asst. Vet.*

F. J. Scheloski, D. V. S., *Asst. Vet.*

W. E. Spierling, D. V. M., *Asst. Vet.*

M. J. Thomson, D. V. M., *Asst. Vet.*

C. D. Bailey, D. V. M., *Jr. Vet.*

M. L. Cravens, D. V. M., *Jr. Vet.*

R. O'rowell, D. V. M., *Jr. Vet.*

E. N. Davis, D. V. M., *Jr. Vet.*

H. L. Kilhoffer, D. V. M., *Jr. Vet.*

L. A. White, D. V. M., *Jr. Vet.*

F. L. Bartlett, D. V. M., *Jr. Vet.*

D. A. La Mar, D. V. M., *Jr. Vet.*

R. S. Shannon, D. V. M., *Jr. Vet.*

H. P. Stout, D. V. M., *Jr. Vet.*

F. J. Fickensher, D. C. M., *Asst. Vet.*

I. A. Lucas, D. V. M., *Asst. Vet.*

J. J. Merwick, D. V. M., *Asst. Vet.*

R. J. Robertson, D. V. M., *Asst. Vet.*

P. F. West, D. V. M., *Asst. Vet.*

G. D. Chandler, D. V. M., *Jr. Vet.*

G. A. Murphy, D. V. M., *Jr. Vet.*

F. E. Brown, D. V. M., *Jr. Vet.*

H. H. Shearer, D. V. M., *Jr. Vet.*

G. Gregory, D. V. M., *Asst. Vet.*

R. Kolo, D. V. M., *Asst. Vet.*

J. A. Molengraff, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.

Illinois—Continued.

Chicago—Continued.

W. G. Saunders, V. S., *Asst. Vet.*
 F. Weaver, D. V. M., *Asst. Vet.*
 G. M. Lint, D. V. M., *Asst. Vet.*
 C. Beverly, D. V. M., *Jr. Vet.*
 P. C. Underwood, V. S., B. V. Sc., *Jr. Vet.*
 W. H. Davenport, D. V. M., *Asst. Vet.*
 G. J. Lengerisk, D. V. M., *Asst. Vet.*
 F. W. Wand, D. V. M., *Asst. Vet.*
 L. W. Head, M. D. C., *Asst. Vet.*
 O. Aldrich, D. V. M., *Jr. Vet.*
 R. C. Bissell, D. V. M., *Jr. Vet.*
 A. D. Conley, B. V. Sc., *Jr. Vet.*
 A. D. Moore, D. V. M., *Asst. Vet.*
 T. E. Quincy, D. V. M., *Asst. Vet.*
 A. N. Wilson, D. V. M., *Jr. Vet.*
 J. Hutchison, D. V. S., *Asst. Vet.*
 F. C. Sigrist, D. V. S., A. B., *Asst. Vet.*
 J. L. Campbell, D. V. M., *Asst. Vet.*
 C. E. Windeler, M. D., V. M. D., *Asst. Vet.*
 H. L. Tate, D. V. M., *Jr. Vet.*
 C. A. Ward, D. V. M., *Asst. Vet.*
 M. Borsos, D. V. M., *Asst. Vet.*
 W. A. Davidson, D. V. S., *Asst. Vet.*
 D. F. Eggers, M. D. V., *Asst. Vet.*
 F. O. Kieldsen, D. V. M., *Jr. Vet.*
 V. W. Routzong, D. V. M., *Asst. Vet.*
 C. F. Wilson, D. V. M., *Jr. Vet.*
 C. L. Whittington, M. D. C., *Jr. Vet.*
 J. A. Sullivan, D. V. M., *Asst. Vet.*
 B. J. Nutter, D. V. M., *Jr. Vet.*
 R. J. Flanagan, D. V. M., *Asst. Vet.*
 H. D. Lasher, D. V. M., *Jr. Vet.*
 W. F. Moore, D. V. M., *Jr. Vet.*
 B. W. Taylor, D. V. M., *Asst. Vet.*
 D. J. Flanagan, M. D. V., *Asst. Vet.*
 E. M. Johnson, D. V. M., B. S., *Asst. Vet.*
 L. Metsker, M. D. C., *Asst. Vet.*
 H. H. Groat, D. V. M., *Jr. Vet.*
 A. G. Johnstone, D. V. M., *Asst. Vet.*
 C. G. Mampreian, D. V. M., *Asst. Vet.*
 J. B. Schorfheide, D. V. M., *Asst. Vet.*
 E. E. McDaniel, D. V. M., *Jr. Vet.*
 W. R. Pringle, D. V. M., *Asst. Vet.*
 D. J. Ryan, D. V. S., *Asst. Vet.*
 W. J. Smith, D. V. M., *Jr. Vet.*
 R. C. Chatman, D. V. M., *Asst. Vet.*
 G. R. Curtis, D. V. M., *Asst. Vet.*
 W. W. Barlow, D. V. M., B. S. A., *Jr. Vet.*
 D. A. Benson, D. V. M., *Jr. Vet.*
 L. W. West, D. V. M., *Jr. Vet.*
 M. Hattery, M. D. V., *Asst. Vet.*
 E. Schaefer, D. V. M., *Jr. Vet.*
 C. T. N. Marsh, *Assoc. Chem., in charge of Lab.*
 F. B. Hilty, A. B., *Jr. Chem.*

Jacksonville—

J. Robinson, D. V. M., *Asst. Vet., Insp. in charge.*

National Stock Yards—

C. F. Payne, V. S., *Sr. Vet., Insp. in charge and Traveling Vet. Insp.*
 R. C. Lambert, D. V. M., *Asst. Vet., Super.*
 O. E. Jung, D. V. S., *Jr. Vet.*

FIELD STATIONS—Continued.

Illinois—Continued.

National Stock Yards—Continued.

O. A. Buddenbaum, D. V. M., *Jr. Vet.*
 C. D. Emerick, D. V. M., *Asst. Vet.*
 J. F. Pease, D. V. S., *Asst. Vet.*
 R. E. Surring, D. V. M., *Asst. Vet.*
 A. C. Walls, V. D. M., *Asst. Vet.*
 T. R. Cairns, D. V. M., *Asst. Vet.*
 G. H. Bruns, D. V. M., *Asst. Vet.*
 J. S. Wolfram, D. V. M., *Jr. Vet.*
 G. H. Starr, D. V. M., *Jr. Vet.*
 C. E. Hart, D. V. S., *Asst. Vet.*
 W. S. Trigg, D. V. M., *Asst. Vet.*
 R. Greene, D. V. M., *Asst. Vet.*
 F. D. Halsey, V. S., *Asst. Vet.*
 F. S. Thurman, D. V. M., *Asst. Vet.*

Peoria—

A. N. Hughes, M. D. V., *Asst. Vet., Insp. in charge.*
 S. J. Goldstein, D. V. M., *Asst. Vet.*
 O. U. Poth, D. V. M., *Jr. Vet.*

Indiana:

Anderson—

Charles Corson, D. V. M., *Asst. Vet., Insp. in charge.*

Evansville—

H. J. Hoyman, M. D. V., *Asst. Vet., Insp. in charge.*
 C. Upton, D. V. M., *Asst. Vet.*

Fort Wayne—

G. M. Dorman, D. V. M., *Asst. Vet., Insp. in charge.*

Frankfort—

G. W. Knorr, M. D. C., *Asst. Vet., Insp. in charge.*

Indianapolis—

G. W. Butler, V. S., *Assoc. Vet., Insp. in charge.*
 F. W. Dennie, D. V. M., *Asst. Vet., Super.*
 C. A. Clawson, D. V. M., B. S. A., *Asst. Vet.*
 G. R. Graves, D. C. M., *Asst. Vet.*
 C. O. Joyce, D. V. M., *Asst. Vet.*
 L. P. Kirch, D. V. M., *Asst. Vet.*
 J. E. Lynch, D. V. M., *Asst. Vet.*
 W. J. Palmer, D. V. M., *Asst. Vet.*
 H. SeEVERS, D. V. M., *Asst. Vet.*
 B. O. Sherrill, D. V. M., *Asst. Vet.*
 R. Steinmetz, D. V. M., *Asst. Vet.*
 R. Turnbull, V. S., *Asst. Vet.*
 R. M. Ward, D. V. M., *Asst. Vet.*
 B. H. Yenner, D. V. S., *Asst. Vet.*
 R. R. Springer, D. V. M., *Asst. Vet.*
 H. R. Schrumph, D. V. M., *Jr. Vet.*

La Fayette—

J. M. Jehle, M. D. C., *Asst. Vet., Insp. in charge.*

Logansport—

C. H. Deisel, D. V. M., *Asst. Vet., Insp. in charge.*

Madison—

R. R. Newman, D. V. S., *Asst. Vet., Insp. in charge.*

Richmond—

C. O. Wagoner, V. S., *Asst. Vet., Insp. in charge.*

FIELD STATIONS—Continued.

Indiana—Continued.

Terre Haute—

L. H. Allen, M. D. V., *Asst. Vet., Insp. in charge.*

Iowa:

Cedar Rapids—

A. M. Casper, M. D. C., *Assoc. Vet., Insp. in charge.*

D. G. Cooper, D. V. M., *Asst. Vet.*

G. C. Faun, D. V. M., *Asst. Vet.*

E. F. Kallenberg, D. V. M., *Asst. Vet.*

H. S. Perdue, D. V. M., *Jr. Vet.*

Davenport—

Joseph Hannon, M. D. C., *Asst. Vet., Insp. in charge.*

F. C. Davis, D. V. M., *Jr. Vet.*

Des Moines—

C. W. Deming, D. V. M., *Asst. Vet., Insp. in charge.*

C. D. Lash, D. V. S., *Asst. Vet.*

C. E. Williams, D. V. M., *Asst. Vet.*

Dubuque—

H. H. Dell, D. V. S., *Asst. Vet., Insp. in charge.*

Mason City—

C. L. Elliott, D. V. M., *Assoc. Vet., Insp. in charge.*

L. D. Belknap, D. V. M., *Jr. Vet.*

W. J. Brown, D. V. M., *Asst. Vet.*

S. L. Ries, D. V. M., *Asst. Vet.*

G. H. Gitz, D. V. M., *Jr. Vet.*

Ottumwa—

F. T. Suit, D. V. M., *Assoc. Vet., Insp. in charge.*

H. W. Hall, D. V. M., *Asst. Vet.*

B. B. Harper, D. V. S., *Asst. Vet.*

H. Fay, D. V. S., *Jr. Vet.*

F. B. Perdue, D. V. M., *Jr. Vet.*

R. M. Thomas, D. V. M., *Jr. Vet.*

C. A. Towne, D. V. M., *Jr. Vet.*

Sioux City—

E. S. Dickey, D. V. S., *Assoc. Vet., Insp. in charge.*

P. Zenor, M. D. C., B. S., *Asst. Vet., Supvr.*

A. V. Bennett, D. V. M., *Asst. Vet.*

L. V. Haggerty, D. V. M., *Asst. Vet.*

J. Kalmansohn, D. V. M., *Asst. Vet.*

F. J. Lauman, D. V. S., *Asst. Vet.*

H. J. Lawrence, D. V. S., *Asst. Vet.*

J. O. Schlegel, D. V. S., *Asst. Vet.*

T. W. Stewart, D. V. M., A. B., *Asst. Vet.*

W. V. Ellis, D. V. M., *Asst. Vet.*

E. V. Stromlund, D. V. S., *Asst. Vet.*

W. W. Lafayette, D. V. M., *Jr. Vet.*

W. A. Carnell, D. V. M., *Jr. Vet.*

H. A. Allen, D. V. M., *Jr. Vet.*

A. E. Arthand, D. V. M., *Jr. Vet.*

W. F. Hodam, V. S., *Jr. Vet.*

J. A. Patton, D. V. M., *Jr. Vet.*

J. A. Skordahl, D. V. M., *Jr. Vet.*

H. E. Breckerbaumer, D. V. M., *Asst. Vet.*

Waterloo—

J. E. Shelton, D. V. S., *Assoc. Vet., Insp. in charge.*

W. L. G. Geick, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.

Iowa—Continued.

Waterloo—Continued.

A. L. Blake, D. V. M., *Asst. Vet.*

L. T. Langland, D. V. M., *Jr. Vet.*

W. C. Smith, D. V. M., *Jr. Vet.*

R. A. Telford, D. V. M., B. S., *Jr. Vet.*

Kansas:

Arkansas City—

F. E. Haworth, V. M. D., *Asst. Vet., Insp. in charge.*

Kansas City—

J. S. Jenison, D. V. M., *Sr. Vet., Insp. in charge and Traveling Vet. Insp.*

B. F. Gooch, D. V. S., *Asst. Vet., Asst. Insp. in charge.*

M. W. McGuire, D. V. S., *Asst. Vet., Supvr.*

O. W. Noyes, D. V. S., *Asst. Vet., Supvr.*

J. A. Thompson, D. V. S., B. S., *Asst. Vet., Supvr.*

J. B. Thompson, D. V. M., *Asst. Vet., Supvr.*

A. C. Barr, D. V. S., *Asst. Vet.*

A. G. Collins, D. V. S., *Asst. Vet.*

E. F. Erfurth, D. V. S., *Asst. Vet.*

G. D. Painter, D. V. S., *Asst. Vet.*

J. F. Talbert, M. D. C., *Asst. Vet.*

D. A. Tyler, D. V. S., *Asst. Vet.*

W. H. Hannemann, D. V. M., *Jr. Vet.*

J. T. Gaston, D. V. S., B. Acct., *Asst. Vet.*

L. J. Howell, D. V. M., *Asst. Vet.*

J. M. Mayes, D. V. S., *Asst. Vet.*

A. N. Reber, D. V. S., *Asst. Vet.*

C. M. Scheloski, D. V. S., *Asst. Vet.*

J. P. F. Smith, D. V. S., B. A., *Asst. Vet.*

F. Spillman, D. V. M., *Asst. Vet.*

B. Tiernan, D. V. M., *Asst. Vet.*

F. L. Tritle, D. V. S., *Asst. Vet.*

G. W. Winkler, D. V. M., *Asst. Vet.*

R. M. Williams, D. V. M., *Jr. Vet.*

E. M. Berroth, D. V. M., *Jr. Vet.*

H. C. Ingraham, D. V. M., *Asst. Vet.*

G. H. Randall, D. V. S., *Asst. Vet.*

J. W. Taggart, D. V. S., *Asst. Vet.*

J. R. Barnes, D. V. M., *Asst. Vet.*

W. R. Cooper, D. V. S., L. L. B., *Asst. Vet.*

W. A. Kliphardt, D. V. S., *Jr. Vet.*

I. G. McChesney, D. V. M., *Asst. Vet.*

R. S. Mourning, D. V. M., *Asst. Vet.*

A. Newberg, D. V. S., *Asst. Vet.*

E. V. Wedemeyer, D. V. M., *Asst. Vet.*

O. A. Erfurth, D. V. S., *Asst. Vet.*

T. T. Hartman, D. V. S., *Asst. Vet.*

W. L. Martin, D. V. S., *Asst. Vet.*

F. P. Miller, D. V. M., *Asst. Vet.*

G. C. Newberg, D. V. S., *Asst. Vet.*

J. W. Parker, D. V. S., *Asst. Vet.*

C. S. Underwood, D. V. M., *Asst. Vet.*

C. H. Wright, D. V. S., *Asst. Vet.*

H. C. Kershner, *Assoc. Lab. Insp., in charge of Lab.*

S. Adler, B. S., M. S., *Asst. Chem.*

Leavenworth—

C. B. Henderson, D. V. S., *Asst. Vet., Insp. in charge.*

Pittsburg—

W. K. Howard, M. D. C., *Asst. Vet., Insp. in charge.*

FIELD STATIONS—Continued.

Kansas—Continued.

Topeka—

- F. S. Bingham, D. V. S., *Asst. Vet., Insp. in charge.*
 O. B. Huston, D. V. S., *Asst. Vet.*
 C. F. Pinkham, D. V. S., *Asst. Vet.*

Wichita—

- E. W. Barthold, M. D. C., *Assoc. Vet., Insp. in charge.*
 L. R. Fauteck, D. V. S., *Asst. Vet.*
 J. D. Melvin, D. V. M., *Asst. Vet.*
 G. W. Ornduff, D. V. S., *Asst. Vet.*
 J. F. Pickett, D. V. S., *Asst. Vet.*
 E. S. Bacon, D. V. M., *Jr. Vet.*
 D. H. Bibens, D. V. S., *Jr. Vet.*
 O. Emmitt, D. V. S., *Jr. Vet.*

Kentucky:

Henderson—

- R. H. Nutt, D. V. M., *Asst. Vet., Insp. in charge.*

Louisville—

- J. B. Johnson, D. V. M., *Assoc. Vet., Insp. in charge.*
 J. B. Way, D. V. M., *Asst. Vet.*
 F. B. Jones, D. V. S., *Asst. Vet.*
 C. F. Hobbs, D. C. M., *Asst. Vet.*
 J. F. Chipman, D. V. M., *Asst. Vet.*

Louisiana:

New Orleans—

- G. T. Cole, V. M. D., *Assoc. Vet., Insp. in charge.*
 E. A. Corbin, M. D. C., *Jr. Vet.*
 S. C. Cook, D. V. M., *Asst. Vet.*
 W. M. Hoag, D. V. M., *Asst. Vet.*
 C. W. Turrell, D. V. M., *Asst. Vet.*

Shreveport—

- Levi Bryant, *Prin. Lay Insp. in charge.*

Maine:

Auburn—

- L. K. Green, V. M. D., *Asst. Vet., Insp. in charge.*

Houlton—

- I. H. Kaufman, D. V. M., *Asst. Vet., Insp. in charge.*
 C. A. Hazzard, D. V. M., *Asst. Vet.*

Portland—

- D. D. Callahan, *Prin. Lay Insp., in charge.*

Maryland:

Baltimore—

- R. W. Culbert, M. D. V., *Sr. Vet., Insp. in charge and Traveling Vet. Insp.*
 G. C. Pieper, D. V. M., *Asst. Vet., Super.*
 J. P. Beck, M. D. C., V. S., *Asst. Vet.*
 R. M. Cory, D. V. S., *Asst. Vet.*
 N. M. Crawford, D. V. M., *Jr. Vet.*
 J. Huebschman, M. D. C., *Asst. Vet.*
 F. C. McCurdy, V. M. D., A. B., *Asst. Vet.*
 C. G. McLaughlin, D. V. M., *Jr. Vet.*
 F. D. Owen, D. V. S., *Asst. Vet.*
 G. T. Van Buskirk, D. V. M., *Asst. Vet.*
 M. H. Walmer, D. V. S., *Asst. Vet.*
 E. P. Yager, D. V. S., *Asst. Vet.*

Cumberland—

- J. C. Shafer, *Prin. Lay Insp., in charge.*

Frederick—

- H. A. Schneider, M. D. V., *Asst. Vet., Insp. in charge.*

FIELD STATIONS—Continued.

Massachusetts:

Boston—

- A. F. Staub, D. V. M., *Sr. Vet., Insp. in charge.*
 E. N. Tierney, D. C. M., *Assoc. Vet., Asst. Insp. in charge.*
 J. H. Coleman, D. V. M., *Jr. Vet.*
 W. J. Comstock, D. V. M., *Jr. Vet.*
 E. R. Fisher, D. V. M., *Jr. Vet.*
 A. C. Fitzpatrick, M. D. D., *Asst. Vet.*
 S. Folse, D. V. S., *Asst. Vet.*
 A. A. Kritt, D. V. M., *Asst. Vet.*
 J. C. McLeod, D. V. M., *Asst. Vet.*
 J. J. Smart, D. V. S., *Asst. Vet.*
 H. Q. Thompson, V. S., *Asst. Vet.*

Haverhill—

- L. E. Merrill, *Prin. Lay Insp., in charge.*

Springfield—

- H. E. Brown, M. D. V., *Assoc. Vet., Insp. in charge.*
 C. Hedley, D. V. M., *Asst. Vet.*
 J. L. Orr, D. V. M., *Jr. Vet.*

Worcester—

- M. T. Perry, M. D. V., *Assoc. Vet., Insp. in charge.*
 P. J. Creedon, M. D. C., *Asst. Vet.*

Michigan:

Detroit—

- R. F. Vermilya, D. M. C., *Vet., Insp. in charge.*
 E. F. Jameson, D. V. S., *Asst. Vet., Super.*
 H. L. Cotton, D. V. M., *Asst. Vet.*
 L. A. Greiner, jr., D. V. M., *Asst. Vet.*
 H. T. Grossman, D. V. M., *Asst. Vet.*
 M. A. Ruck, D. V. M., *Asst. Vet.*
 A. G. Stamp, D. V. M., *Asst. Vet.*
 B. H. Swim, D. V. M., *Asst. Vet.*
 J. W. Vance, D. V. M., *Asst. Vet.*
 J. E. Zeltzer, D. V. M., *Asst. Vet.*
 Z. Veldhuis, D. V. S., *Asst. Vet.*
 A. M. Hoehn, D. V. M., *Asst. Vet.*
 D. Marks, D. V. M., *Jr. Vet.*
 E. W. Stapp, D. V. M., *Jr. Vet.*
 F. F. Meads, D. V. M., *Jr. Vet.*
 M. H. Mendenhall, D. V. M., *Asst. Vet.*

Menominee—

- L. E. Epple, V. S., *Asst. Vet., Insp. in charge.*

Minnesota:

Albert Lea—

- O. A. Stingley, B. Sc., D. V. S., *Assoc. Vet., Insp. in charge.*
 S. K. Nelson, D. V. M., *Jr. Vet.*
 G. M. Carson, D. V. M., *Jr. Vet.*

Austin—

- O. Hornlein, D. V. M., *Assoc. Vet., Insp. in charge.*
 W. L. R. Williamson, D. V. M., *Asst. Vet.*
 Ray Hoefling, D. V. M., *Asst. Vet.*
 F. A. Scott, D. V. M., *Asst. Vet.*
 E. D. Richards, D. V. M., *Jr. Vet.*
 L. W. Stevens, D. V. M., *Jr. Vet.*

Duluth—

- C. E. Mootz, D. V. M., *Asst. Vet., Insp. in charge.*

Fergus Falls—

- M. L. Davenport, D. V. M., *Asst. Vet., Insp. in charge.*

FIELD STATIONS—Continued.

Minnesota—Continued.

South St. Paul—

G. E. Totten, D. C. M., *Sr. Vet., Insp. in charge.*

M. E. Schwab, D. V. M., Ph. D., *Asst. Vet., Super.*

C. L. Hall, D. V. S., *Asst. Vet., Super.*

F. A. Baldwin, D. V. M., *Jr. Vet.*

J. D. Bloemers, D. V. M., *Asst. Vet.*

E. J. Calph, D. V. M., *Asst. Vet.*

C. H. Easterling, D. V. M., *Jr. Vet.*

A. A. Eddingsfield, D. V. S., *Jr. Vet.*

B. L. Gray, D. V. M., *Jr. Vet.*

N. H. Howell, D. V. M., *Jr. Vet.*

W. A. Jordan, D. V. M., B. S., M. S., *Jr. Vet.*

C. B. McKim, D. V. M., *Jr. Vet.*

J. H. Moore, D. V. M., *Asst. Vet.*

J. L. Myers, D. V. M., *Jr. Vet.*

J. H. Smyth, D. V. M., *Jr. Vet.*

O. W. Anderson, D. V. M., *Jr. Vet.*

F. A. Bonnstedter, D. V. M., *Jr. Vet.*

F. W. Crawford, D. V. M., *Jr. Vet.*

W. B. Henneberger, V. M. D., *Asst. Vet.*

J. H. Lowe, M. D. V., *Asst. Vet.*

R. I. Lowenberg, D. V. M., *Jr. Vet.*

H. O. Mantor, D. V. M., *Asst. Vet.*

C. H. Mobiley, D. V. M., *Jr. Vet.*

R. Pickett, D. V. M., *Asst. Vet.*

R. G. Rice, V. S., *Asst. Vet.*

J. B. Snyder, M. D. V., *Jr. Vet.*

S. A. Turpen, D. V. M., *Asst. Vet.*

L. V. Hardy, D. V. M., *Asst. Vet.*

C. W. Picht, D. V. M., M. S., *Jr. Vet.*

D. B. Stewart, D. V. M., *Asst. Vet.*

G. R. Tomlinson, D. V. S., D. C. M., *Asst. Vet.*

O. J. Lanigan, D. V. S., *Asst. Vet.*

C. H. Hart, M. D. C., *Jr. Vet.*

V. W. Woolen, D. V. M., *Asst. Vet.*

Winona—

L. A. Wilson, D. V. M., *Asst. Vet., Insp. in charge.*

H. J. Clary, D. V. M., *Jr. Vet.*

C. F. Barnes, D. V. M., *Jr. Vet.*

Mississippi:

Natchez—

J. B. Harris, *Prin. Lay Insp., in charge.*

Vicksburg—

H. H. Culver, *Prin. Lay Insp., in charge.*

Missouri:

St. Louis—

T. B. Pote, D. V. S., *Assoc. Vet., Insp. in charge.*

O. E. Barth, M. D. C., *Asst. Vet., Super.*

H. J. Timmerman, D. V. S., *Asst. Vet.*

J. R. Brown, D. V. M., *Asst. Vet.*

E. A. Garleb, D. V. M., *Asst. Vet.*

C. T. Snyder, D. V. M., *Asst. Vet.*

S. L. Blount, D. V. M., B. S., *Asst. Vet.*

H. H. Brown, D. V. M., *Asst. Vet.*

R. F. Gard, D. V. S., *Asst. Vet.*

D. F. McCarthy, D. V. M., *Asst. Vet.*

W. R. Scott, D. V. M., *Asst. Vet.*

L. H. Mead, D. V. M., *Asst. Vet.*

J. J. Evans, jr., D. V. M., *Jr. Vet.*

T. R. Morse, D. V. M., *Jr. Vet.*

FIELD STATIONS—Continued.

Missouri—Continued.

St. Louis—Continued.

C. H. Swanger, B. S., *Assoc. Chem., in charge of Lab.*

W. B. Tromer, B. S., *Asst. Chem.*

G. L. McGinty, B. S., *Asst. Chem.*

South St. Joseph—

B. J. Stockler, D. V. M., *Vet., Insp. in charge.*

J. A. Zimmerman, D. V. S., *Asst. Vet., Super.*

H. R. Collins, D. V. S., *Asst. Vet.*

W. A. Barr, D. V. S., *Asst. Vet.*

W. Craig, D. V. M., *Asst. Vet.*

W. P. Divelbliss, D. V. M., *Asst. Vet.*

C. J. Hayward, D. V. M., *Asst. Vet.*

F. H. Kirwan, D. V. M., *Asst. Vet.*

W. G. McGuire, D. V. M., *Asst. Vet.*

M. D. Nelson, D. V. M., *Asst. Vet.*

W. J. J. Pooley, D. V. M., *Asst. Vet.*

L. P. Sullivan, D. V. M., *Asst. Vet.*

C. C. Walch, D. V. S., *Asst. Vet.*

C. I. Walch, D. V. S., *Asst. Vet.*

F. M. Welch, D. V. M., *Asst. Vet.*

J. B. Wright, D. V. S., *Asst. Vet.*

G. J. Mutziger, D. V. S., *Asst. Vet.*

J. B. Sigrist, D. V. M., *Jr. Vet.*

D. C. Wilke, D. V. M., *Jr. Vet.*

West Plains—

J. F. Park, D. V. M., *Asst. Vet., Insp. in charge.*

Montana:

Butte—

A. E. Evans, M. D. C., *Asst. Vet., Insp. in charge.*

Great Falls—

P. A. Franzmann, D. V. M., *Asst. Vet., Insp. in charge.*

Nebraska:

Nebraska City—

G. A. Kay, D. C. M., *Asst. Vet., Insp. in charge.*

H. H. Hervey, D. V. M., *Asst. Vet.*

Omaha—

Frank Jelen, *Sr. Vet., Insp. in charge.*

W. R. Richards, M. D. C., *Asst. Vet., Super.*

A. N. McGregor, D. V. M., *Asst. Vet., Super.*

E. W. Burke, D. V. M., *Asst. Vet., Super.*

J. W. Huston, D. V. M., *Asst. Vet.*

M. H. Leininger, D. V. S., *Asst. Vet.*

C. M. McCoy, D. V. M., *Asst. Vet.*

J. A. Carlsen, D. V. M., *Jr. Vet.*

E. M. Clark, D. V. M., *Jr. Vet.*

F. W. Hock, D. V. M., *Jr. Vet.*

G. A. Franz, D. V. M., *Asst. Vet.*

A. M. Meade, D. V. S., *Asst. Vet.*

D. F. Stouffer, D. V. S., *Asst. Vet.*

W. C. Finn, D. V. M., *Jr. Vet.*

M. Heusinkveld, D. V. M., *Jr. Vet.*

C. F. Nord, D. V. S., *Jr. Vet.*

G. Edgecomb, D. V. M., *Asst. Vet.*

A. English, D. V. M., *Asst. Vet.*

W. F. Osterholtz, D. V. M., *Jr. Vet.*

A. P. Abendshien, D. V. M., *Jr. Vet.*

C. T. Lay, D. V. M., *Jr. Vet.*

W. J. Mulroony, M. D. V., *Jr. Vet.*

P. S. McLaughlin, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.

Nebraska—Continued.

Omaha—Continued.

- G. J. Jarvis, D. V. M., *Asst. Vet.*
 V. V. Shattuck, D. V. M., *Asst. Vet.*
 G. C. Harrington, D. V. M., *Jr. Vet.*
 G. I. Bomgardner, D. V. S., *Asst. Vet.*
 E. A. Boyer, B. S., *Assoc. Chem., in charge of Lab.*
 F. P. St. Clair, D. V. M., M. D., *Vet., Traveling Vet. Insp.*

Nevada:

Reno—

- L. C. Butterfield, D. C. M., *Assoc. Vet., Insp. in charge.*
 R. N. Ashley, D. V. M., *Asst. Vet.*

New Hampshire:

Keene—

- T. W. Carnachan, M. R. C. V. S., *Asst. Vet., insp. in charge.*

Manchester—

- W. F. Quigley, *Prin. Lay Insp., in charge.*

New Jersey:

Jersey City—

- E. H. Baumann, V. M. D., *Assoc. Vet., Insp. in charge.*
 O. Nelson, V. M. D., *Asst. Vet.*
 A. Packer, D. V. M., *Asst. Vet.*
 F. C. Willson, D. V. M., *Asst. Vet.*
 J. Jacobs, D. V. S., *Jr. Vet.*
 P. H. Hartman, V. M. D., *Jr. Vet.*
 A. R. Miller, D. V. M., *Jr. Vet.*

Newark—

- A. McBride, M. D. C., *Assoc. Vet., Insp. in charge.*
 J. J. Cattanch, D. V. S., *Asst. Vet.*
 A. W. Combs, D. V. M., *Asst. Vet.*
 C. W. Humphrey, D. V. M., *Asst. Vet.*
 J. J. Martin, D. V. S., *Asst. Vet.*
 F. J. Maurer, D. V. M., *Asst. Vet.*
 F. E. Pinkerton, D. V. M., *Asst. Vet.*
 C. P. Marcus, D. V. M., *Jr. Vet.*
 R. E. Watson, D. V. M., *Jr. Vet.*

Paterson—

- J. Huelsen, D. V. S., *Assoc. Vet., Insp. in charge.*
 W. Grimes, D. V. S., *Asst. Vet.*
 F. J. Glynn, D. V. S., *Asst. Vet.*

New York:

Albany—

- G. H. Woolfolk, D. V. S., *Assoc. Vet., Insp. in charge.*
 C. R. Quillin, D. V. S., *Jr. Vet.*
 C. C. Taylor, D. V. M., *Jr. Vet.*

Buffalo—

- B. P. Wende, V. S., *Sr. Vet., Insp. in charge.*
 W. C. Wooton, V. S., *Asst. Vet., Super.*
 E. R. Jackson, D. V. M., *Asst. Vet., Super.*
 R. J. Dunlavey, D. V. M., *Asst. Vet.*
 F. L. Foster, D. V. M., *Asst. Vet.*
 B. A. Hyatt, D. V. M., *Asst. Vet.*
 B. McCormack, D. V. M., *Asst. Vet.*
 B. S. Shattuck, D. V. M., *Asst. Vet.*
 H. R. Yost, D. V. M., *Asst. Vet.*
 J. H. O'Leary, D. V. M., *Jr. Vet.*
 M. J. Hastings, D. V. M., *Asst. Vet.*
 J. Stafford, D. V. S., *Asst. Vet.*

FIELD STATIONS—Continued.

New York—Continued.

Buffalo—Continued.

- A. G. Ward, D. V. M., *Jr. Vet.*
 J. M. Chase, V. S., *Asst. Vet.*
 C. S. Evans, M. D. C., *Asst. Vet.*
 E. Pohl, D. V. S., *Asst. Vet.*

New York—

- D. R. Gillies, V. S., M. D., *Sr. Vet., Insp. in charge and Traveling Vet. Insp.*
 C. E. Schneider, D. V. S., *Assoc. Vet., Asst. Insp. in charge.*
 M. Brodner, D. V. S., *Asst. Vet., Super.*
 W. W. Lawson, M. D. C., *Asst. Vet., Super.*
 M. W. Cohen, D. V. M., *Asst. Vet., Super.*
 H. B. Ballou, D. V. M., *Asst. Vet.*
 C. Hassel, D. V. S., *Asst. Vet.*
 A. W. Kay, D. V. S., *Asst. Vet.*
 S. H. Johnston, D. V. S., *Asst. Vet.*
 E. L. Sander, D. V. S., *Asst. Vet.*
 M. J. Doyle, D. V. S., *Jr. Vet.*
 S. Friedman, D. V. M., *Jr. Vet.*
 J. D. Jarman, D. V. M., *Jr. Vet.*
 J. L. Oyarzabal, D. V. M., *Jr. Vet.*
 P. F. Carr, D. V. M., *Jr. Vet.*
 L. C. Purmell, D. V. M., *Jr. Vet.*
 C. A. Trapkey, D. V. M., *Jr. Vet.*
 D. J. Bynacker, D. V. S., *Jr. Vet.*
 C. Greenhaus, D. V. M., *Asst. Vet.*
 M. Paolone, D. V. S., *Asst. Vet.*
 A. Salinger, V. M. D., *Asst. Vet.*
 P. C. Denney, D. V. M., *Jr. Vet.*
 C. F. Lipp, D. V. M., *Jr. Vet.*
 G. A. Schwamm, D. V. M., *Jr. Vet.*
 C. L. Tavares, D. V. M., *Jr. Vet.*
 M. Isaac, D. V. S., *Asst. Vet.*
 C. R. Biederman, D. V. S., *Asst. Vet.*
 J. A. Eadie, D. V. S., *Asst. Vet.*
 M. F. Henry, D. V. S., *Asst. Vet.*
 M. J. Murphy, D. V. S., *Asst. Vet.*
 J. M. Young, D. V. S., *Asst. Vet.*
 B. J. Eno, D. V. M., B. S., *Jr. Vet.*
 C. G. Haber, D. V. M., *Jr. Vet.*
 B. H. Steiner, D. V. M., *Jr. Vet.*
 L. A. Tavares, D. V. S., *Jr. Vet.*
 W. F. Schroeder, B. S., *Assoc. Chem., in charge of Lab.*
 D. Edelman, B. S., *Asst. Chem.*

Pearl River—

- F. A. Grenfell, D. V. M., *Assoc. Vet., Insp. in charge.*

North Carolina:

Asheville—

- Herbert Bryan, D. V. M., *Asst. Vet., Insp. in charge.*

Charlotte—

- Jacob Vogel, *Prin. Lay Insp., in charge.*

Wilmington—

- A. H. Carpenter, *Prin. Lay Insp., in charge.*

North Dakota:

Grand Forks—

- J. H. Kitzhofer, D. V. S., *Asst. Vet., Insp. in charge.*

West Fargo—

- B. C. Johnson, D. V. M., *Asst. Vet., Insp. in charge.*

- M. M. Woods, D. V. M., *Asst. Vet.*

- H. D. Osborne, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.

Ohio:

Athens—

P. J. Huffman, jr., D. V. S., *Asst. Vet., Insp. in charge.*

Cincinnati—

W. C. Herrold, D. V. S., *Vel., Insp. in charge.*

A. E. Montgomery, D. V. M., *Assi. Vet., Super.*

H. W. Butz, D. V. M., *Asst. Vet.*

C. A. Engleman, D. V. M., *Asst. Vet.*

F. G. Hahn, D. V. M., *Asst. Vet.*

A. J. Hauck, D. V. M., *Asst. Vet.*

J. W. Hermann, D. V. M., *Asst. Vet.*

F. G. Kneup, D. V. M., *Asst. Vet.*

F. A. Kruse, D. V. S., *Asst. Vet.*

G. E. Mitchell, D. V. M., *Asst. Vet.*

W. W. Renter, D. V. M., *Asst.-Vet.*

H. L. Shale, D. V. M., *Asst. Vet.*

C. L. Stricker, D. V. M., *Asst. Vet.*

A. A. Hiett, D. V. M., *Asst. Vet.*

A. B. Elstun, D. V. M., *Jr. Vet.*

C. F. Stroehlein, D. V. M., *Jr. Vet.*

J. A. Rudolph, D. V. M., *Jr. Vet.*

W. Poseiner, D. V. M., *Jr. Vet.*

Cleveland—

C. J. Millen, D. V. M., *Vet., Insp. in charge.*

N. C. Powell, D. V. M., *Asst. Vet., Super.*

I. W. Eichelberger, B. E., D. V. M., *Asst. Vet.*

J. T. Stuart, D. V. S., *Asst. Vet.*

G. E. Aidman, D. V. M., *Jr. Vet.*

F. E. Hill, D. V. M., *Asst. Vet.*

S. G. Fortune, D. V. M., *Asst. Vet.*

M. R. Jollie, D. V. M., *Asst. Vet.*

R. P. Salisbury, D. V. M., *Asst. Vet.*

A. C. Stein, D. V. M., *Asst. Vet.*

H. A. Fox, D. V. M., B. S., *Asst. Vet.*

D. O. Herron, D. V. M., *Asst. Vet.*

H. H. Myers, V. S., *Asst. Vet.*

E. E. Steiner, D. V. M., *Asst. Vet.*

L. Kochman, D. V. M., *Asst. Vet.*

Columbus—

O. W. Everly, D. V. S., *Assoc. Vet., Insp. in charge.*

T. V. Coe, D. V. M., *Asst. Vet.*

L. E. Davis, V. S., *Asst. Vet.*

T. E. Nichols, D. V. M., *Jr. Vet.*

T. M. Powell, D. V. M., *Jr. Vet.*

G. D. Jelen, D. V. M., *Jr. Vet.*

Dayton—

C. H. Herrold, M. D. V., V. S., *Assoc. Vet., Insp. in charge.*

W. H. Borchers, D. V. M., *Asst. Vet.*

S. C. Brouse, D. V. M., *Asst. Vet.*

F. E. Theobald, D. V. M., *Asst. Vet.*

N. C. Wheeler, M. D. C., B. A., *Jr. Vet.*

Fostoria—

W. F. Osborn, D. V. S., *Asst. Vet., Insp. in charge.*

Piqua—

A. N. Smith, V. M. D., *Asst. Vet., Insp. in charge.*

J. R. Addison, D. V. M., *Jr. Vet.*

Toledo—

Edward Smith, *Prin. Lay Insp. in charge.*

Washington Court House—

Albert Wiltshire, *Prin. Lay Insp. in charge.*

FIELD STATIONS—Continued.

Ohio—Continued.

Youngstown—

H. L. Bollinger, *Prin. Lay Insp. in charge.*

Zanesville—

W. O. McHugh, V. S., *Asst. Vet., Insp. in charge.*

Oklahoma:

Oklahoma City—

E. F. Cary, D. V. S., *Assoc. Vet., Insp. in charge.*

T. A. Jones, D. V. S., *Asst. Vet.*

O. H. Leonhart, D. V. S., M. D. C., *Asst. Vet.*

S. M. Meredith, D. V. S., *Asst. Vet.*

W. T. Vilott, D. V. M., *Asst. Vet.*

H. H. Glenn, M. D. C., *Asst. Vet.*

R. R. Parker, D. V. M., *Jr. Vet.*

H. E. Smith, D. V. M., *Asst. Vet.*

J. W. Stults, D. V. M., *Asst. Vet.*

Oregon:

Portland—

M. O. Anderson, V. S., *Assoc. Vet., Insp. in charge.*

A. J. Dinse, D. V. S., *Asst. Vet.*

A. H. Julien, V. S., *Asst. Vet.*

G. D. Loder, D. V. M., *Asst. Vet.*

C. M. Riley, M. D. V., *Asst. Vet.*

M. S. Lantz, D. V. S., *Asst. Vet.*

Pennsylvania:

Allentown—

H. J. Boyer, D. V. M., *Asst. Vet., Insp. in charge.*

N. K. Fegley, D. V. S., B. E., *Asst. Vet.*

E. E. Manter, D. V. M., *Asst. Vet.*

Erie—

E. P. Barnhart, D. V. M., *Asst. Vet., Insp. in charge.*

A. C. Edwards, D. V. M., *Asst. Vet.*

Hallstead—

S. M. Page, V. M. D., *Asst. Vet., Insp. in charge.*

Harrisburg—

W. C. Sigmund, D. V. S., *Assoc. Vet., Insp. in charge.*

W. H. Yingst, V. S., *Asst. Vet.*

Philadelphia—

Thomas Castor, V. M. D., *Assoc. Vet., Insp. in charge.*

M. L. Crans, D. V. M., *Asst. Vet., Super.*

C. S. Rockwell, V. M. D., *Asst. Vet., Super.*

J. M. Baxter, D. V. M., *Asst. Vet.*

W. S. Clark, D. V. S., *Asst. Vet.*

G. M. Garrett, V. M. D., *Asst. Vet.*

S. F. Griesemer, D. V. M., *Asst. Vet.*

H. D. Hackler, V. S., *Asst. Vet.*

D. A. Heyne, V. M. D., *Asst. Vet.*

G. D. Homan, V. M. D., *Asst. Vet.*

M. J. Maloney, D. V. M., *Asst. Vet.*

C. A. Parkerson, jr., D. V. S., *Asst. Vet.*

R. O. Rothermel, D. V. M., *Asst. Vet.*

A. Spitz, V. M. D., *Asst. Vet.*

J. H. Zollinger, V. M. D., *Asst. Vet.*

J. D. Hartman, D. V. S., *Asst. Vet.*

W. Mink, D. V. M., *Jr. Vet.*

H. B. Hannum, V. M. D., *Jr. Vet.*

FIELD STATIONS—Continued.

Pennsylvania—Continued..

Pittsburgh—

H. K. Walter, D. V. M., *Assoc., Vet., Insp. in charge.*

G. S. Jackson, D. V. M., *Asst. Vet.*

J. M. Bowers, D. V. M., *Jr. Vet.*

H. H. Hobbs, M. D. C., *Jr. Vet.*

H. T. Ludwig, D. V. M., *Asst. Vet.*

W. S. Hileman, V. M. D., *Asst. Vet.*

Pittston—

J. R. Donnelly, V. S., M. D. V., *Asst. Vet., Insp. in charge.*

Pottsville—

G. E. Repp, M. D. C., *Asst. Vet., Insp. in charge.*

C. E. Brown, D. V. M., *Jr. Vet.*

Rhode Island:

Providence—

H. M. Smith, M. D. V., *Assoc. Vet., Insp. in charge.*

K. G. Cherrington, M. D. V., *Asst. Vet.*

South Carolina:

Greenville—

F. E. Jentoft, *Prin. Lay Insp. in charge.*

South Dakota:

Huron—

P. P. Taylor, D. V. M., *Asst. Vet., Insp. in charge.*

C. S. Hess, M. D. V., *Asst. Vet.*

O. R. Whitney D. V. M., *Jr. Vet.*

Sioux Falls—

C. J. Young, D. V. S., *Assoc. Vet., Insp. in charge.*

C. L. White, D. V. S., *Asst. Vet.*

A. G. Ferrin, D. V. M., *Asst. Vet.*

A. E. Slocum, D. V. M., *Asst. Vet.*

J. A. Whealy, D. V. M., *Asst. Vet.*

W. J. Scanlon, D. V. M., *Jr. Vet.*

C. B. Bratager, D. V. M., *Jr. Vet.*

Watertown—

L. P. McArdle, D. V. M., *Asst. Vet., Insp. in charge.*

Tennessee:

Chattanooga—

F. H. Collins, V. M. D., *Assoc. Vet., Insp. in charge.*

Walter George, V. S., *Asst. Vet.*

Knoxville—

S. A. King, D. V. S., *Asst. Vet., Insp. in charge.*

J. A. Sluss, D. V. M., *Jr. Vet.*

Memphis—

C. L. E. Kerr, D. V. M., *Asst. Vet., Insp. in charge.*

R. E. Noyes, D. V. S., *Asst. Vet.*

Morristown—

J. L. Burgett, D. V. S., *Asst. Vet., Insp. in charge.*

Nashville—

C. P. Hart, V. S., *Assoc. Vet., Insp. in charge.*

W. B. Smith, D. V. M., *Asst. Vet.*

D. O. Browning, D. V. M., *Jr. Vet.*

Union City—

J. H. Byerley, D. V. M., *Asst. Vet., Insp. in charge.*

FIELD STATIONS—Continued.

Texas:

El Paso—

T. A. Bray, D. V. S., *Asst. Vet., Insp. in charge.*

H. T. Juen, D. V. M., *Asst. Vet.*

Fort Worth—

J. S. Grove, V. S., *Assoc. Vet., Insp. in charge.*

C. P. Callaway, D. V. M., *Asst. Vet.*

G. R. Loudon, D. V. M., *Asst. Vet.*

W. C. Alvey, D. V. M., *Asst. Vet.*

E. W. Kern, D. V. M., *Asst. Vet.*

W. K. McConnell, D. V. S., *Asst. Vet.*

P. F. R. Meyer, D. V. M., *Asst. Vet.*

E. W. Nye, D. V. S., *Asst. Vet.*

J. J. Parker, D. V. S., *Asst. Vet.*

J. S. Powell, D. V. M., *Asst. Vet.*

J. Ramsey, D. V. M., *Asst. Vet.*

J. A. Wilkinson, D. V. M., *Asst. Vet.*

E. E. Peacock, D. V. M., *Asst. Vet.*

D. C. Becker, D. V. M., *Jr. Vet.*

Houston—

C. F. Palmer, V. S., *Assoc. Vet., Insp. in charge.*

H. Singleton, D. V. S., *Asst. Vet.*

G. J. Roosink, D. V. M., V. S., *Jr. Vet.*

Texarkana—

H. G. Potter, *Prin. Lay Insp., in charge.*

Utah:

Ogden—

W. D. Wright, M. D. C., *Asst. Vet., Insp. in charge.*

J. M. Allen, D. V. M., *Jr. Vet.*

Salt Lake City—

E. P. Durham, D. V. M., *Asst. Vet., Insp. in charge.*

R. S. Griffin, D. V. M., *Asst. Vet.*

Vermont:

Bellows Falls—

E. S. Ring, D. V. S., *Asst. Vet., Insp. in charge.*

Hyde Park—

L. B. Whitney, D. V. S., *Asst. Vet., Insp. in charge.*

Virginia:

Norfolk—

J. M. Harris, *Prin. Lay Insp., in charge.*

Richmond—

Henry Marshall, D. V. M., *Assoc. Vet., Insp. in charge and Traveling Vet. Insp.*

A. T. Ayers, D. V. M., *Asst. Vet.*

J. K. Chapin, D. V. M., *Asst. Vet.*

T. A. Harrison, D. V. S., *Asst. Vet.*

R. M. Putnam, D. V. M., *Asst. Vet.*

C. E. Thompson, D. V. M., *Asst. Vet.*

W. I. Wilkins, D. V. M., *Jr. Vet.*

Washington:

Seattle—

C. L. Norris, D. V. S., *Asso. Vet., Insp. in charge.*

H. C. Fullington, D. V. M., *Asst. Vet.*

D. S. Kay, D. V. S., B. S. A., M. Sc., *Jr. Vet.*

G. E. Sloulin, V. S., *Jr. Vet.*

Spokane—

E. D. Kennedy, D. V. S., *Assoc. Vet., Insp. in charge.*

C. A. Hulbush, M. D. V., *Asst. Vet.*

FIELD STATIONS—Continued.

Washington—Continued.

Spokane—Continued.

W. R. McCall, D. V. M., *Asst. Vet.*J. H. Stephens, D. V. M., *Asst. Vet.*W. R. Kidwell, D. V. M., *Jr. Vet.*

Tacoma—

J. S. Kelly, D. V. S., *Assoc. Vet., Insp. in charge.*R. A. McDonald, D. V. S., *Jr. Vet.*L. C. Bowling, D. V. M., A. B., *Jr. Vet.*

Walla Walla—

C. A. Johnston, D. V. S., *Asst. Vet., Insp. in charge.*

Yakima—

A. J. Maloney, D. V. M., *Asst. Vet., Insp. in charge.*

West Virginia:

Wheeling—

G. W. Famous, V. M. D., *Assoc. Vet., Insp. in charge.*C. H. Horcher, D. V. M., *Asst. Vet.*G. W. Riley, D. V. M., *Asst. Vet.*W. K. Breckenbridge, D. V. M., *Asst. Vet.*

Wisconsin:

Eau Claire—

Wm. Fotheringham, V. S., *Asst. Vet., Insp. in charge.*

Green Bay—

W. A. Donegan, *Prin. Lay Insp. in charge.*

Madison—

L. A. Licking, D. C. M., *Asst. Vet., Insp. in charge.*H. F. Arndt, D. V. M., *Asst. Vet.*O. A. Christianson, M. D. V., *Asst. Vet.*

Milwaukee—

A. E. Behnke, D. V. M., *Assoc. Vet., Insp. in charge.*R. J. Digman, M. D. C., *Asst. Vet., Super.*W. C. Smith, D. V. M., *Asst. Vet.*P. J. Cass, M. D. V., *Asst. Vet.*C. L. Gegax, D. V. M., *Asst. Vet.*C. Houston, D. V. M., *Asst. Vet.*G. C. Janke, D. V. M., *Asst. Vet.*G. Jerome, D. V. M., *Asst. Vet.*F. O. Kickbusch, M. D. V., *Asst. Vet.*F. D. Meier, D. V. M., *Asst. Vet.*S. J. Walkley, M. D. V., *Asst. Vet.*F. J. Verduin, D. V. M., *Asst. Vet.*S. P. Bolstad, D. V. M., *Asst. Vet.*H. B. Fishback, D. V. M., *Jr. Vet.*T. A. Head, D. V. M., *Jr. Vet.*H. C. Kornetzky, D. V. M., *Jr. Vet.*H. C. Reed, D. V. M., L. L. B., *Jr. Vet.*S. C. Varnum, D. V. M., *Jr. Vet.*J. B. Huhn, D. V. M., *Jr. Vet.*F. L. Junod, D. V. M., *Jr. Vet.*S. A. Richardson, D. V. M., *Jr. Vet.*A. D. Bullock, D. V. M., *Sr. Vet., Traveling Vet. Insp.*

PACKERS AND STOCKYARDS DIVISION

Directed by Asst. Chief of Bur.

F. W. Miller, D. V. S., *Sr. Econ., Asst. Chief.*

Trade Practices.

F. W. Miller, D. V. S., *Sr. Econ., in charge.*C. A. Briggs, B. S., M. A., *Weighing Engr.*

Rates and Registration.

G. N. Dagger, B. A., M. A., LL. B., LL. M., *Sr. Econ., in charge.*H. D. Dozier, A. B., M. A., Ph. D., *Sr. Econ.*M. O. Cooper, B. S., M. A., LL. B., *Sr. Econ.*L. H. Camfield, A. B., A. M., LL. B., LL. M., M. P. L., *Assoc. Econ.*P. E. Jamieson, LL. B., LL. M., M. P. L., *Bond Exam.*S. J. Harvey, *Sr. Stat.*

Interstate Transportation.

S. O. Fladness, D. V. M., *Sr. Vet., in charge.*A. J. Raub, *Asst. in Livestock Transp. Inv.*

Audits and Accounts.

John J. Bachmann, B. S. C., C. P. A., *Chief Acct. in charge.*H. L. Osman, *Exam. of Acct.*M. P. Jacoby, *Asst. Acct.*

FIELD HEADQUARTERS.

Colorado—Denver:

B. J. Westinghouse, *Acct.*

District of Columbia—Washington:

C. V. Evans, *Asst. Acct.*

Illinois:

Chicago—

H. G. Burns, *Acct.*M. W. Taylor, *Asst. Acct.*

National Stock Yards—

G. J. Svoboda, *Assoc. Acct.*G. M. Thomas, *Assoc. Acct.*

Minnesota—St. Paul:

E. J. Kohler, *Assoc. Acct.*

Missouri—Kansas City:

E. J. Bolas, *Assoc. Acct.*E. R. Hart, *Assoc. Acct.*H. R. Pierce, *Assoc. Acct.*

Nebraska—Omaha:

A. R. Safeblade, *Acct.*H. E. Bufkin, *Assoc. Acct.*

Valuation (Field).

Missouri—Kansas City:

H. C. Henici, B. S., *Chief Valuation Engr.*A. T. Cushing, M. S., *Valuation Engr.*W. O. Galbreath, B. S., *Assoc. Stockyard Appraiser.*J. E. Johnson, B. S. in C. E., *Assoc. Stockyard Appraiser.*A. F. Schramm, A. B., *Assoc. Stockyard Appraiser.*H. E. McClintock, C. E., *Assoc. Stockyard Appraiser.*

Weighing (Field).

Missouri—Kansas City:

F. B. Fell, *Assoc. Weight Super.*

Ohio—Cincinnati:

W. L. Frank, B. S. in Agr., *Asst. Weight Super.*

Stockyard Supervision (Field).

Alabama—Montgomery:

S. M. Price, *Dist. Super.*

California—Los Angeles:

C. D. Ashmore, D. V. S., *Dist. Super.*

Colorado—Denver:

J. Christensen, *Field Asst. to Chief.*L. W. Krake, *Dist. Super.*H. E. Armstrong, *Asst. Super.*

Stockyard Supervision (Field)—Continued.**Illinois:****Chicago—**V. E. Foster, *Dist. Super.*M. Guillaume, D. V. M., *Assoc. Super.*T. J. Keogh, *Asst. Super.***National Stockyards—**C. S. Jones, B. S., *Dist. Super.***Indiana—Indianapolis:**A. W. Joy, B. S., *Dist. Super.***Iowa—Sioux City:**R. L. Lisle, *Dist. Super.***Kansas—Wichita:**O. E. Dyson, D. V. S., *Dist. Super.***Minnesota—South St. Paul:**W. A. Williams, Ph. B., *Dist. Super.***Missouri:****Kansas City—**G. E. Butin, D. V. S., *Dist. Super.*C. D. Boardman, B. S., M. D., *Field Asst.***South St. Joseph—**J. R. Plumb, A. B., *Dist. Super.***Nebraska—Omaha:**C. F. Walker, *Dist. Super.***New York:****Buffalo—**J. F. Gibbons, *Dist. Super.***New York—**F. J. Miller, *Dist. Super.***Ohio:****Cincinnati—**M. L. Haskell, LL. B., *Dist. Super.***Cleveland—**L. C. Jennings, *Dist. Super.***Oregon—North Portland:**P. McCormick, jr., B. S., *Dist. Super.***Pennsylvania—Pittsburgh:**A. H. Keener, *Acting Dist. Super.***Tennessee—Nashville:**T. J. Perrin, *Dist. Super.***Texas—Fort Worth:**J. H. Ruff, *Dist. Super.***Public Stockyards Inspection (Field).****Alabama:****Birmingham—**W. H. Meadors, D. V. S., *Asst. Vet., Insp. in charge.***Montgomery—**R. E. Jackson, V. S., *Assoc. Vet., Insp. in charge.*J. M. Lawson, D. V. S., *Asst. Vet., Supervisor.***California—Los Angeles:**E. P. Schaffter, V. S., *Assoc. Vet., Insp. in charge.*A. T. Coleman, D. V. S., *Asst. Vet.***Colorado—Denver:**W. E. Howe, D. V. M., *Assoc. Vet., Insp. in charge.*W. C. Dye, D. V. S., *Asst. Vet., Supervisor.*C. E. Ranney, D. V. S., *Asst. Vet.*F. H. Sharp, D. V. M., *Jr. Vet.***District of Columbia—Washington:**A. R. Smith, P. D., V. M. D., *Assoc. Vet., Insp. in charge.***Florida—Jacksonville:**T. W. Cole, D. V. M., *Vet., Insp. in charge.*J. W. Casey, D. V. M., *Asst. Vet.***Public Stockyards Inspection (Field)—Continued.****Georgia—Atlanta:**A. L. Hirtleman, D. V. M., *Assoc. Vet., Insp. in charge.***Illinois:****Chicago—**H. Busman, M. D., V. S., *Sr. Vet., Insp. in charge.*W. W. Worcester, V. S., *Asst. Vet., Supervisor.*B. H. Steigleder, D. V. M., *Asst. Vet.*Israel Wallman, D. V. M., *Asst. Vet.*H. M. Springer, D. V. M., *Asst. Vet.*F. C. Mau, D. V. M., *Asst. Vet.***National Stock Yards—**C. F. Payne, V. S., *Sr. Vet., Insp. in charge.*A. R. Zumwalt, D. V. M., *Asst. Vet., Supervisor.*C. R. Graham, D. V. M., *Asst. Vet.*W. L. Cohenour, Jr., D. C. M., *Asst. Vet.***Indiana:****Evansville—**H. J. Hoyman, M. D. C., *Asst. Vet., Insp. in charge.***Indianapolis—**G. W. Butler, V. S., *Assoc. Vet., Insp. in charge.*R. C. Vermillion, V. S., D. V. M., *Asst. Vet., Supervisor.*J. S. Reno, D. V. M., *Asst. Vet.***Iowa—Sioux City:**E. S. Dickey, Ph. C., D. V. S., *Assoc. Vet., Insp. in charge.*Perry Zenor, B. S., M. D. C., *Asst. Vet., Supervisor.*G. E. Golden, M. D. V., *Asst. Vet.*E. O. Gisel, D. V. M., *Asst. Vet.***Kansas:****Kansas City—**J. S. Jenison, D. V. M., *Sr. Vet., Insp. in charge.*John Dickson, D. C. M., *Asst. Vet., Supervisor.*W. E. Patterson, D. V. S., *Asst. Vet.*G. E. Maxwell, D. V. S., *Asst. Vet.*E. V. Beaumont, D. V. S., *Asst. Vet.*C. C. Eutling, D. V. S., *Asst. Vet.***Wichita—**E. W. Barthold, M. D. C., *Assoc. Vet., Insp. in charge.*C. W. Barnhart, D. V. S., *Asst. Vet., Supervisor.***Kentucky—Louisville:**J. B. Johnson, D. V. M., *Assoc. Vet., Insp. in charge.*Guy Bard, V. M. D., *Asst. Vet., Supervisor.*H. H. Myers, V. S., *Asst. Vet.***Louisiana—New Orleans:**G. T. Cole, V. M. D., *Assoc. Vet., Insp. in charge.*E. A. Corbin, M. D. C., *Jr. Vet.***Maryland—Baltimore:**R. W. Culbert, M. D. V., *Sr. Vet., Insp. in charge.*A. B. Angell, V. S., M. D. V., *Asst. Vet.***Massachusetts—Boston:**E. A. Crossman, M. D. V., *Sr. Vet., Insp. in charge.*W. A. Nannery, M. D. V., *Asst. Vet.*

Public Stockyards Inspection (Field)—Continued.**Michigan—Detroit:**

R. F. Vermilya, D. M. C., *Vet., Insp. in charge.*
W. G. Adams, D. V. M., *Asst. Vet.*

Minnesota—South St. Paul:

G. E. Totten, D. C. M., *Sr. Vet., Insp. in charge.*

Irvin Owens, D. V. S., *Asst. Vet., Supervisor.*

R. H. Harrison, D. V. S., *Asst. Vet.*

C. E. Redden, D. V. M., *Asst. Vet.*

R. J. Spain, D. V. M., *Asst. Vet.*

Mississippi—Meridian:

H. Robbins, D. V. S., *Assoc. Vet., Insp. in charge.*

E. J. Meixel, D. V. S., *Asst. Vet.*

Missouri—South St. Joseph:

B. J. Stockler, D. V. M., *Vet., Insp. in charge.*

E. J. Cary, D. V. S., *Asst. Vet., Supervisor.*

C. J. Hayward, D. V. M., *Asst. Vet.*

Nebraska—Omaha:

Frank Jelen, D. V. S., *Sr. Vet., Insp. in charge.*

D. C. Murdock, M. D. C., *Asst. Vet., Supervisor.*

H. O. Kelpe, D. V. S., *Asst. Vet.*

C. A. Jerome, D. V. S., *Asst. Vet.*

G. P. Everly, D. V. S., *Asst. Vet.*

H. M. Batchelder, D. V. M., *Jr. Vet.*

New Jersey—Jersey City:

E. H. Baumann, M. S. V., *Assoc. Vet., Insp. in charge.*

M. J. Myers, V. S., *Asst. Vet., Supervisor.*

New York:**Buffalo—**

B. P. Wende, V. S., *Sr. Vet., Insp. in charge.*

W. R. Fleming, D. V. S., *Asst. Vet.*

C. R. Perkins, D. V. M., *Asst. Vet.*

New York—

D. R. Gillies, M. D., V. S., *Sr. Vet., Insp. in charge.*

C. A. Trapkey, D. V. M., *Jr. Vet.*

Ohio:**Cincinnati—**

W. C. Herrold, D. V. S., *Vet., Insp. in charge.*

F. B. Drake, D. V. M., *Asst. Vet., Supervisor.*

Cleveland—

C. J. Millen, D. V. M., *Vet., Insp. in charge.*

G. C. Mawer, D. V. M., *Asst. Vet.*

Dayton—

C. H. Herrold, M. D. V., V. S., *Asst. Vet., Insp. in charge.*

Oklahoma—Oklahoma City:

L. J. Allen, V. S., *Sr. Vet., Insp. in charge.*

A. H. Denham, D. V. S., *Asst. Vet., Supervisor.*

Oregon—Portland:

M. O. Anderson, V. S., *Assoc. Vet., Insp. in charge.*

A. M. Blackwell, V. S., *Asst. Vet., Supervisor.*

Pennsylvania:**Lancaster—**

H. S. Weber, M. D. V., *Assoc. Vet., Insp. in charge.*

Philadelphia—

Thomas Castor, V. M. D., *Assoc. Vet., Insp. in charge.*

F. S. Hope, V. M. D., *Asst. Vet.*

Pittsburgh—

H. K. Walter, D. V. M., *Assoc. Vet., Insp. in charge.*

W. A. Smith, D. V. S., *Asst. Vet., Supervisor.*

Public Stockyards Inspection (Field)—Continued.**South Dakota—Sioux Falls:**

C. J. Young, D. V. S., *Assoc. Vet., Insp. in charge.*

Tennessee:**Chattanooga—**

F. H. Collins, V. M. D., *Asst. Vet., Insp. in charge.*

Memphis—

C. L. E. Kerr, D. V. M., *Asst. Vet., Insp. in charge.*

Nashville—

C. P. Hart, V. S., *Assoc. Vet., Insp. in charge.*

J. E. Bender, D. V. M., *Asst. Vet.*

Texas:**Fort Worth—**

H. L. Darby, D. V. S., *Sr. Vet., Insp. in charge.*

W. L. Endsley, D. V. S., *Asst. Vet., Supervisor.*

D. E. Warner, D. V. M., *Asst. Vet.*

G. F. Flaherty, D. V. M., *Asst. Vet.*

A. J. Clark, D. V. M., *Asst. Vet.*

B. A. Taylor, D. V. M., *Asst. Vet.*

E. N. Moline, D. V. S., *Asst. Vet.*

San Antonio—

Wm. Thompson, M. D. C., *Assoc. Vet., Insp. in charge.*

J. S. Oldham, D. V. M., *Asst. Vet.*

Utah:**North Salt Lake City—**

E. P. Durham, D. V. M., *Asst. Vet., Insp. in charge.*

Ogden—

F. E. Murray, D. V. M., *Assoc. Vet., Insp. in charge.*

M. A. Sappington, D. V. S., *Asst. Vet.*

Virginia—Richmond:

Henry Marshall, D. V. M., *Assoc. Vet., Insp. in charge.*

R. M. Putnam, D. V. M., *Asst. Vet.*

Washington:**Seattle—**

C. L. Norris, D. V. S., *Assoc. Vet., Insp. in charge.*

J. G. Warwick, D. V. M., *Asst. Vet.*

Spokane—

E. D. Kennedy, D. V. S., *Assoc. Vet., Insp. in charge.*

W. A. Davidson, D. V. S., *Asst. Vet.*

West Virginia—Wheeling:

G. W. Famous, V. M. D., *Asst. Vet., Insp. in charge.*

Wisconsin—Milwaukee:

A. E. Behnke, D. V. S., *Assoc. Vet., Insp. in charge.*

R. E. Cochrane, M. D. V., *Asst. Vet.*

PATHOLOGICAL DIVISION

John S. Buckley, D. V. S., *Prin. Path., Chief.*

Harry W. Schoening, V. M. D., *Sr. Vet. Asst. Chief.*

Diseases of Animals.

L. T. Giltner, D. V. M., M. S., *Sr. Vet. (anaplasmosis, tuberculosis, and misc. diseases).*

Harry W. Schoening, V. M. D., *Sr. Vet. (rabies, misc. diseases).*

William S. Gochenour, V. M. D., *Assoc. Vet. (periodic ophthalmia, misc. diseases).*

Diseases of Animals—Continued.

- William M. Mohler, D. V. M., *Assoc. Vet.* (*dourine, misc. diseases*).
 Warren B. Shook, V. M. D., *Assoc. Vet.* (*poultry diseases*).
 Clark W. Olson, B. V., *Sc. Asst. Vet.* (*swamp fever, misc. diseases*).
 Chester N. Dale, D. V. M., *Jr. Vet.* (*tuberculosis, misc. diseases*).
 James F. Couch, A. B., A. M., Ph. D., *Assoc. Chem.* (*misc. chemical duties*).
 Herbert Rogers, *Minor Sci. Helper.*

Stock Poisoning by Plants.

- C. Dwight Marsh, Ph. D., *Assoc. Physiol.*
 Arthur B. Clawson, B. A., *Assoc. Physiol.*
 Edward A. Moran, *Jr. Physiol.*
 James F. Couch, A. B., A. M., Ph. D., *Assoc. Chem.*
 Herbert Rogers, *Minor Sci. Helper.*

Serums, Viruses, Toxins.

- Harry W. Schoening, V. M. D., *Sr. Vet.*
 William S. Gochenour, V. M. D., *Assoc. Vet.*
 L. T. Giltner, D. V. M., M. S., *Sr. Vet.*
 William M. Mohler, D. V. M., *Asst. Vet.*

General Pathology.

- Robert J. Formad, V. M. D., M. D., *Assoc. Path.*
 Gilbert T. Creech, D. V. S., *Assoc. Vet.*

Branch Pathological Laboratories.

- Colorado—Denver:
 George W. Stiles, M. D., Ph. D., *Assoc. Bact., in charge.*
 Maude E. Starcher, *Lab. Aid in Bact.*
 Florida—Kelsey City:
 A. D. Knowles, D. V. M., *Agent in Anaplasmosis Inv.*

Illinois—Chicago:

- L. Enos Day, V. S., *Assoc. Vet. in Charge.*
 John S. Bengston, D. V. M., *Asst. Vet.*

Maryland—Bethesda:

- Hubert Bunyea, A. B., D. V. S., *Assoc. Vet.*
 Walter J. Hall, D. V. M., *Jr. Vet.*
 Willard G. Lockwood, D. V. M., *Jr. Vet.*

Nebraska—Omaha:

- G. Byron Morse, M. D., Ph. D., V. S., *Assoc. Bact. in charge.*

TICK ERADICATION DIVISION

- R. A. Ramsay, D. V. S., B. S. A., *Prin. Vet., Chief.*
 W. M. MacKellar, V. S., *Sr. Vet., Asst. Chief.*

FIELD STATIONS (work conducted in coop. with States).

- Alabama—Birmingham:
 R. E. Jackson, V. S., *Assoc. Vet., Insp. in charge.*
 Arkansas—Little Rock:
 W. A. McDonald, D. V. M., *Assoc. Vet., Insp. in charge.*
 Wm. L. Davis, D. V. S., B. A., *Asst. Vet.*
 James T. Mills, D. V. M., *Asst. Vet.*
 Allen W. Rice, D. V. M., *Asst. Vet.*
 Florida—Jacksonville:
 T. W. Cole, D. V. M., *Assoc. Vet., Insp. in charge.*
 T. H. Applewhite, D. V. M., *Asst. Vet.*
 H. F. Kern, D. V. S., *Jr. Vet.*
 B. N. Lauderdale, D. V. M., *Asst. Vet.*
 Wilbur McPherson, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.**Florida—Jacksonville—Continued.**

- J. P. Mack, D. V. S., *Asst. Vet.*
 Dudley B. Pellette, D. V. M., *Asst. Vet.*
 J. R. Wirthlin, D. V. M., *Asst. Vet.*
 John H. Yoder, D. V. M., *Asst. Vet.*

Georgia—Moultrie:

- John F. Fahey, D. V. S., *Asst. Vet.*

Louisiana—Baton Rouge:

- C. J. Becker, D. V. M., *Assoc. Vet., Insp. in charge.*
 W. W. Shartle, D. V. M., *Asst. Vet.*
 S. H. Still, D. V. S., *Asst. Vet.*

Mississippi—Jackson:

- Hartwell Robbins, D. V. S., *Assoc. Vet., Insp. in charge.*

- Joseph C. Barney, V. M. D., *Asst. Vet.*
 Herbert C. Berger, D. V. M., *Asst. Vet.*
 Thomas W. Boman, D. V. M., *Asst. Vet.*
 Chalmer W. Chapin, D. V. M., *Asst. Vet.*
 Dudley D. Conner, D. V. S., *Asst. Vet.*
 Robustiano B. Ferro, D. V. M., *Jr. Vet.*
 Nelson N. Hatcher, D. V. M., *Asst. Vet.*
 Edgar Heiny, D. V. M., *Asst. Vet.*
 Joshua A. Lynn, D. V. M., *Jr. Vet.*
 Edward E. Maas, D. V. M., *Jr. Vet.*
 Charles E. O'Neal, D. V. M., *Jr. Vet.*
 Edwin L. Peck, D. V. M., *Jr. Vet.*
 Fred E. Rambo, D. V. M., *Asst. Vet.*
 John Redmond, D. V. M., *Asst. Vet.*
 H. A. Taggard, D. V. M., *Asst. Vet.*
 Harry P. Waddle, D. V. S., *Asst. Vet.*
 James M. Wingate, D. V. M., *Jr. Vet.*
 John W. Woods, D. V. M., *Asst. Vet.*

Oklahoma—Oklahoma City:

- L. J. Allen, V. S., *Vet. Insp. in charge.*
 W. L. Hiatt, M. D. C., *Asst. Vet.*

South Carolina—Columbia:

- W. K. Lewis, M. D. V., *Vet. (coop.), in charge.*

Texas—Fort Worth:

- H. L. Darby, D. V. S., *Vet., Insp. in charge.*
 Charles W. Brown, D. V. M., *Jr. Vet.*
 James H. Cooper, D. V. M., *Asst. Vet.*
 Arthur W. Horstman, D. V. S., *Asst. Vet.*
 Rudolf F. Krenek, D. V. M., *Asst. Vet.*
 Abner K. Kuttler, D. V. M., *Asst. Vet.*
 Lawrence Lewis, D. V. M., *Jr. Vet.*
 R. V. Pilgrim, D. V. M., *Asst. Vet.*
 Jesse Robards, D. V. S., *Asst. Vet.*
 Guy W. Rosenberger, D. V. S., B. S., *Asst. Vet.*
 Jesse L. Shabram, D. V. M., *Asst. Vet.*

TUBERCULOSIS ERADICATION DIVISION

- A. E. Wight, M. D. V., *Prin. Vet., Chief.*
 L. B. Ernest, D. V. M., *Sr. Vet., Asst. Chief.*
 Elmer Lash, D. V. S., *Vet.*

FIELD STATIONS (work conducted in cooperation with States.)**Alabama—Birmingham:**

- R. E. Jackson, D. V. M., *Assoc. Vet., Insp. in charge.*
 G. B. Bradshaw, D. V. M., *Jr. Vet.*
 C. C. Middleton, D. V. M., *Asst. Vet.*

Arkansas—Little Rock:

- H. L. Fry, D. V. M., *Asst. Vet., Insp. in charge.*

FIELD STATIONS—Continued.

California—Sacramento:

Rudolph Snyder, M. D. C., *Assoc. Vet., Insp. in charge.*

E. E. Allen, M. D. C., *Asst. Vet.*

C. L. Gooding, D. V. M., *Jr. Vet.*

W. R. Lee, D. V. M., *Asst. Vet.*

Sam'l R. Parker, V. M. D., *Jr. Vet.*

Colorado—Denver:

W. E. Howe, V. S., D. V. M., *Assoc. Vet., Insp. in charge.*

Connecticut—Hartford:

R. L. Smith, D. V. S., *Assoc. Vet., Insp. in charge.*

T. J. Ahern, D. V. M., *Asst. Vet.*

F. E. Blake, D. V. M., *Asst. Vet.*

H. B. Davis, D. V. M., *Asst. Vet.*

J. A. Rathbone, D. V. M., *Asst. Vet.*

Florida—Tallahassee:

J. G. Fish, D. V. S., *Asst. Vet., Insp. in charge.*

M. V. Springstun, D. V. M., *Asst. Vet.*

Georgia—Atlanta:

A. J. Hirlleman, D. V. M., *Assoc. Vet., Insp. in charge.*

R. H. Hamner, D. V. M., *Jr. Vet.*

C. I. Harkins, D. V. M., *Jr. Vet.*

C. A. Greenig, D. V. M., *Asst. Vet.*

O. B. Peterson, D. V. M., *Asst. Vet.*

Idaho—Boise:

W. A. Sullivan, M. D. V., *Assoc. Vet., Insp. in charge.*

J. E. Ellis, D. V. S., *Asst. Vet.*

F. H. Melvin, V. M. D., *Asst. Vet.*

W. E. Neary, D. V. M., *Asst. Vet.*

Wm. C. Nye, D. V. M., *Jr. Vet.*

Illinois—Chicago:

J. J. Lintner, M. D. C., *Assoc. Vet., Insp. in charge.*

T. M. Bayler, M. D. C., *Asst. Vet.*

F. F. Fischer, D. V. M., *Asst. Vet.*

J. T. Shelton, D. V. M., *Asst. Vet.*

Indiana—Indianapolis:

J. E. Gibson, V. S., *Sr. Vet., Insp. in charge.*

E. V. Alexander, D. V. M., *Asst. Vet.*

E. R. Coon, D. V. M., *Jr. Vet.*

E. E. Coshaw, D. V. M., *Asst. Vet.*

L. L. Criswell, D. V. M., *Asst. Vet.*

J. B. Current, D. V. M., *Asst. Vet.*

G. W. Hamilton, D. V. M., *Jr. Vet.*

A. M. Jacoby, D. V. M., *Asst. Vet.*

J. P. Rimstidt, D. V. M., *Asst. Vet.*

R. E. Smith, M. D. V., *Asst. Vet.*

E. D. Wright, B. V. S., *Jr. Vet.*

Iowa—Des Moines:

J. A. Barger, D. V. S., *Sr. Vet., Insp. in charge.*

B. L. Caudill, D. V. M., *Jr. Vet.*

B. L. Dawson, D. V. M., *Asst. Vet.*

L. N. Jargo, D. V. S., D. V. M., *Asst. Vet.*

H. E. Johnston, D. V. M., *Asst. Vet.*

C. J. O'Brien, D. V. M., *Asst. Vet.*

G. B. Senior, B. V. S., *Jr. Vet.*

J. P. Simons, D. V. M., *Asst. Vet.*

G. C. Stong, D. V. M., *Asst. Vet.*

W. W. Whitmore, D. V. M., *Jr. Vet.*

J. M. Wineinger, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.

Kansas—Topeka:

N. L. Townsend, V. M. D., *Assoc. Vet., Insp. in charge.*

W. I. Bowersock, D. V. M., *Asst. Vet.*

L. S. Campbell, D. V. S., *Asst. Vet.*

E. C. Cannon, D. V. S., LL. B.; *Asst. Vet.*

W. A. Decker, D. V. M., *Jr. Vet.*

F. B. Jones, D. V. S., *Asst. Vet.*

R. C. Patterson, D. V. M., *Jr. Vet.*

L. C. Songer, D. V. S., *Asst. Vet.*

Kentucky—Frankfort:

W. F. Biles, D. V. M., *Assoc. Vet., Insp. in charge.*

F. C. Akin, M. D. C., *Asst. Vet.*

A. S. Barnes, D. V. M., *Asst. Vet.*

A. L. Bevan, D. V. S., *Asst. Vet.*

J. R. Houchins, D. V. M., *Asst. Vet.*

F. M. Painter, D. V. M., *Asst. Vet.*

H. B. Smith, D. V. M., *Jr. Vet.*

O. M. Webb, D. V. M., *Jr. Vet.*

Louisiana—New Orleans:

G. T. Cole, V. M. D., *Assoc. Vet., Insp. in charge.*

Wm. O. Ney, V. B. S., *Jr. Vet.*

A. W. Vornhede, D. V. M., *Asst. Vet.*

E. A. Williams, D. V. M., *Vet. Insp.*

Maine—Augusta:

G. R. Caldwell, V. S., *Assoc. Vet., Insp. in charge.*

J. R. Corliss, D. V. M., *Jr. Vet.*

Dk. Eastman, D. V. M., *Asst. Vet.*

Maryland—Baltimore:

E. B. Simonds, D. V. M., *Assoc. Vet., Insp. in charge.*

H. L. Armstrong, D. V. M., *Asst. Vet.*

Lawrence Avery, D. V. M., *Asst. Vet.*

F. H. Benjamin, D. V. M., *Asst. Vet.*

C. B. Breiningner, M. D. V., *Asst. Vet.*

J. F. Creedon, D. V. S., *Asst. Vet.*

A. A. Edelin, D. V. M., *Asst. Vet.*

W. H. Frakes, D. V. M., *Asst. Vet.*

R. A. Gregory, D. V. S., *Asst. Vet.*

J. J. Jones, D. V. M., *Asst. Vet.*

O. L. Lockwood, D. V. S., *Asst. Vet.*

J. R. Love, D. V. M., *Asst. Vet.*

J. H. Muller, D. V. S., *Asst. Vet.*

J. R. Porteus, D. V. S., *Asst. Vet.*

C. B. Weagley, V. S., *Asst. Vet.*

Massachusetts—Boston:

E. A. Crossman, M. D. V., *Sr. Vet., Insp. in charge.*

E. M. Aldrich, V. D. M., *Asst. Vet.*

G. W. Breed, D. V. M., *Jr. Vet.*

C. W. Clark, V. S., *Asst. Vet.*

H. K. Copithorn, V. M. D., *Asst. Vet.*

H. N. Hill, M. D. V., *Asst. Vet.*

R. G. Lawton, V. S., *Asst. Vet.*

W. A. Nannery, D. V. M., *Asst. Vet.*

Michigan—Lansing:

T. S. Rich, V. S., *Sr. Vet., Insp. in charge.*

W. H. Peck, V. S., *Asst. Vet.*

F. H. Carr, D. V. M., *Asst. Vet.*

G. C. Frantz, D. V. M., *Asst. Vet.*

T. T. Genre, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.

Michigan—Lansing—Continued.

M. P. Hunt, D. V. M., *Asst. Vet.*
 M. J. Kemen, D. V. M., *Asst. Vet.*
 John Keppel, D. V. M., *Asst. Vet.*
 L. F. Maier, D. V. M., *Asst. Vet.*
 Wm. A. Rader, D. V. M., *Asst. Vet.*
 G. R. Schaffer, D. V. M., *Jr. Vet.*
 G. E. Trubey, D. V. M., *Asst. Vet.*
 Asa Winter, D. V. M., *Jr. Vet.*

Minnesota—St. Paul:

W. J. Fretz, D. V. S., *Sr. Vet., Insp. in charge.*
 S. H. Burgess, D. V. M., *Jr. Vet.*
 C. M. Curl, D. V. M., *Asst. Vet.*
 F. C. Driver, D. V. M., *Asst. Vet.*
 F. A. Henney, D. V. M., *Jr. Vet.*
 J. N. Holzer, D. V. S., *Asst. Vet.*
 Thos. K. Jones, D. V. M., *Asst. Vet.*
 J. R. Pooley, D. V. S., *Asst. Vet.*
 Henry Roome, V. S., *Asst. Vet.*
 T. W. Scott, V. S., *Asst. Vet.*
 A. M. Taylor, D. C. M., *Asst. Vet.*
 A. L. Walsh, D. V. M., *Jr. Vet.*

Mississippi—Jackson:

Hartwell Robbins, D. V. S., *Assoc. Vet., Insp. in charge.*
 L. L. Denson, Jr., D. V. M., *Jr. Vet.*
 J. W. Giffey, D. V. M., *Asst. Vet.*

Missouri—Jefferson City:

Ralph Graham, D. V. M., *Vet. Insp., Insp. in charge.*
 T. J. Eagle, D. V. S., *Asst. Vet.*
 G. H. Elliott, D. V. S., *Asst. Vet.*
 Marvin Gregory, D. V. M., *Asst. Vet.*

Montana—Helena:

J. W. Murdoch, D. V. S., *Assoc. Vet., Insp. in charge.*
 W. L. Carson, D. V. M., *Asst. Vet.*
 F. E. Clark, D. V. M., *Asst. Vet.*
 F. D. Hylton, D. V. M., *Jr. Vet.*
 L. E. Patton, D. V. M., *Asst. Vet.*

Nebraska—Lincoln:

A. H. Francis, D. V. M., *Assoc. Vet., Insp. in charge.*
 Norman Hanson, D. V. M., *Jr. Vet.*
 H. W. Knoernschild, D. V. M., *Asst. Vet.*
 H. T. D. Lackie, D. V. M., *Asst. Vet.*
 Jas. B. Lavender, D. V. M., *Jr. Vet.*
 LeRoy Noyes, D. V. M., *Asst. Vet.*
 Neil Plank, D. V. M., *Asst. Vet.*
 R. O. Porter, D. V. S., *Asst. Vet.*
 G. A. Posse, D. V. M., *Jr. Vet.*
 D. M. Purdy, B. S. A., D. V. M., *Asst. Vet.*
 W. B. Stegner, D. V. M., *Asst. Vet.*

Nevada—Reno:

L. C. Butterfield, D. C. M., *Veterinarian, Insp. in charge.*
 Wm. F. Fisher, D. V. M., *Jr. Vet.*
 Robt. A. Given, D. V. M., *Asst. Vet.*

New Jersey—Trenton:

W. G. Middleton, D. V. M., *Assoc. Vet., Insp. in charge.*
 G. J. Gruenewald, D. V. M., *Asst. Vet.*

New Mexico—Albuquerque:

F. L. Schneider, B. S., D. V. S., *Sr. Vet., Insp. in charge.*
 J. E. Ewers, D. V. Sc., *Asst. Vet.*

FIELD STATIONS—Continued.

New Mexico—Albuquerque—Continued.

F. J. Lingo, L. L. B., D. V. M., *Asst. Vet.*
 Henry E. Pine, D. V. S., *Asst. Vet.*
 C. A. Raque, D. V. S., *Asst. Vet.*
 W. K. Shidler, D. V. Sc., *Asst. Vet.*

New York—Albany:

H. B. Leonard, D. V. M., *Sr. Vet., Insp. in charge.*
 John J. Ash, D. V. M., *Asst. Vet.*
 R. A. Atchley, D. V. M., *Asst. Vet.*
 S. D. Bamber, D. V. M., *Asst. Vet.*
 F. E. Boyd, D. V. M., *Asst. Vet.*
 John R. Burns, D. V. M., *Asst. Vet.*
 B. J. Cady, D. V. M., *Asst. Vet.*
 N. A. Evans, D. V. M., *Asst. Vet.*
 A. C. Farmer, D. V. M., *Jr. Vet.*
 J. S. Gwaltney, D. V. M., *Jr. Vet.*
 N. H. Howlett, D. V. M., *Asst. Vet.*
 DeWitt LaGrange, D. V. M., *Asst. Vet.*
 B. C. Meade, D. V. M., *Asst. Vet.*
 C. E. Morris, D. V. M., *Asst. Vet.*
 D. W. Shaffer, M. D. V., *Asst. Vet.*
 H. E. Stearns, D. V. S., *Jr. Vet.*
 C. C. Walker, A. B., M. D., D. V. S., *Asst. Vet.*

North Carolina—Raleigh:

W. C. Dendinger, D. V. M., *Assoc. Vet., Insp. in charge.*
 A. A. Husman, D. V. M., *Asst. Vet.*
 N. B. Tyler, D. V. M., B. S., *Jr. Vet.*

North Dakota—Bismarck:

H. H. Cohenour, D. V. M., *Assoc. Vet.*
 C. P. Brady, D. V. M., *Asst. Vet.*
 A. M. Brolling, D. V. M., *Asst. Vet.*
 Ray Gaskill, D. V. M., *Asst. Vet.*
 H. P. LeGore, D. V. M., *Jr. Vet.*
 Frederik Low, D. V. M., *Jr. Vet.*
 A. J. Matter, D. V. M., *Jr. Vet.*
 Henry L. Rae, D. V. M., *Jr. Vet.*
 G. J. Woiner, D. V. M., *Asst. Vet.*

Ohio—Columbus:

A. J. DeFosset, D. V. M., *Sr. Vet., Insp. in charge.*
 E. S. Augsburger, D. V. M., *Asst. Vet.*
 C. H. Decker, D. V. M., *Asst. Vet.*
 C. S. Elliott, D. V. M., *Asst. Vet.*
 Solon Gillen, D. V. M., *Asst. Vet.*
 J. W. Reeder, M. D. C., *Asst. Vet.*
 C. A. Sayre, D. V. M., *Asst. Vet.*
 L. R. Sullivan, D. V. M., B. S., *Jr. Vet.*
 W. R. Van Ness, M. D. V., *Asst. Vet.*

Oklahoma—Oklahoma City:

L. J. Allen, V. S., *Sr. Vet., Insp. in charge.*
 S. A. Watters, D. V. S., *Asst. Vet.*

Oregon—Portland:

S. D. Foster, D. V. S., *Assoc. Vet., Insp. in charge.*
 G. D. Bishop, D. V. M., B. S., *Asst. Vet.*
 J. P. Madden, D. V. M., *Asst. Vet.*
 W. E. Thistlewaite, D. V. M., B. S., *Asst. Vet.*
 F. H. Thompson, D. C. M., *Asst. Vet.*

Pennsylvania—Harrisburg:

J. B. Reidy, D. V. M., *Assoc. Vet., Insp. in charge.*
 M. S. Britten, D. V. M., *Asst. Vet.*
 W. V. McGroarty, V. M. D., *Asst. Vet.*
 C. E. Moorman, D. V. M., *Jr. Vet.*

FIELD STATIONS—Continued.

Pennsylvania—Harrisburg—Continued.

Carl F. Neis, D. V. M., *Jr. Vet.*
J. R. Urich, D. V. M., *Asst. Vet.*
E. C. Yoder, V. S., *Asst. Vet.*

South Carolina—Columbia:

W. K. Lewis, V. S., M. D. V., *Veterinarian Insp. in charge.*

L. S. Baer, D. V. M., *Asst. Vet.*

G. M. Parrish, D. V. M., *Jr. Vet.*

South Dakota—Pierre:

J. O. Wilson, D. V. M., *Assoc. Vet. Insp. in charge.*

R. J. W. Briggs, M. D. C., *Asst. Vet.*

E. E. Flory, D. V. S., *Asst. Vet.*

C. F. Rathbun, D. V. S., *Asst. Vet.*

Tennessee—Nashville:

H. M. O'Rear, D. V. M., *Assoc. Vet., Insp. in charge.*

D. Coughlin, D. V. M., *Asst. Vet.*

E. B. Parker, D. V. S., *Asst. Vet.*

Texas—Fort Worth:

H. L. Darby, D. V. S., *Sr. Vet., Insp. in charge.*

B. W. Boyd, D. V. S., *Vet.*

Thos. O'Reilly, D. V. M., *Asst. Vet.*

Utah—Salt Lake City:

F. E. Murray, D. V. M., *Assoc. Vet., Insp. in charge.*

D. J. Hickey, D. V. S., *Asst. Vet.*

C. L. Jones, D. V. M., *Asst. Vet.*

E. D. Leiby, D. V. M., *Jr. Vet.*

Carl C. Perry, D. V. M., *Jr. Vet.*

Vermont—Montpelier:

L. H. Adams, V. M. D., *Assoc. Vet., Insp. in charge.*

F. J. Bardsley, D. V. M., *Asst. Vet.*

C. O. Benson, D. V. S., *Asst. Vet.*

M. L. Bryant, D. V. M., *Jr. Vet.*

R. H. Fessenden, D. V. M., *Asst. Vet.*

J. E. Spindler, D. V. M., *Asst. Vet.*

J. J. Staab, D. V. M., *Asst. Vet.*

Virginia—Richmond:

R. E. Brookbank, D. V. S., *Assoc. Vet., Insp. in charge.*

R. A. Blackman, D. V. S., *Asst. Vet.*

H. C. Cram, D. V. M., *Jr. Vet.*

J. A. Hailman, D. V. S., *Asst. Vet.*

Wm. M. Hobby, D. V. M., *Asst. Vet.*

E. E. McCoy, D. V. M., *Asst. Vet.*

H. S. Miller, D. V. M., *Asst. Vet.*

Washington—Olympia:

J. C. Exline, D. V. M., *Assoc. Vet., Insp. in charge.*

Fred A. Barber, D. V. M., *Asst. Vet.*

M. O. Barnes, D. V. M., B. S., *Jr. Vet.*

F. W. Beckman, D. V. M., *Asst. Vet.*

W. E. Beeson, D. V. M., *Jr. Vet.*

E. A. Grubb, D. V. M., *Asst. Vet.*

C. H. Leavitt, D. C. M., *Asst. Vet.*

J. S. Murray, D. V. M., B. S., *Jr. Vet.*

J. M. Smith, V. S., *Asst. Vet.*

West Virginia—Charleston:

H. M. Newton, D. V. M., *Assoc. Vet., Insp. in charge.*

John L. Core, D. V. M., *Jr. Vet.*

R. C. Dickson, D. V. M., *Jr. Vet.*

C. T. Higginbotham, D. V. M., *Asst. Vet.*

R. M. Johnson, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.

Wisconsin—Madison:

J. S. Healy, M. D. V., *Sr. Vet., Insp. in charge.*

B. H. Borman, D. V. M., *Asst. Vet.*

H. A. Downey, D. V. M., *Asst. Vet.*

J. E. Griffin, D. V. M., *Asst. Vet.*

Ray Kelly, D. V. S., *Asst. Vet.*

L. J. Lewis, D. V. M., *Asst. Vet.*

C. B. Lord, D. V. M., *Asst. Vet.*

H. E. Mullen, D. V. M., *Asst. Vet.*

R. E. Nelson, D. V. M., *Asst. Vet.*

W. R. Winner, D. V. M., *Asst. Vet.*

Wyoming—Cheyenne:

John T. Dallas, B. S. A., D. V. M., *Assoc. Vet.*

C. E. Wilmot, D. V. M., *Asst. Vet.*

DIVISION OF VIRUS-SERUM CONTROL

D. I. Skidmore, V. S., *Prin. Vet., Chief.*

R. E. Holm, D. V. M., *Sr. Vet., Asst. Chief.*

FIELD STATIONS AND SUBSTATIONS.

California—Stockton:

W. J. Stewart, M. D., D. V. M., *Assoc. Vet., Insp. in charge.*

Colorado—Denver:

E. H. Carter, V. S., M. D. V., *Asst. Vet., Insp. in charge.*

Georgia—Albany:

C. A. Klein, D. V. M., *Asst. Vet., Insp. in charge.*

Illinois:

Aurora (substa. of East St. Louis)—

W. D. Livermore, D. V. M., *Asst. Vet.*

East St. Louis—

J. W. Joss, D. V. M., *Assoc. Vet., Insp. in charge.*

W. T. Bollmeier, D. V. M., *Asst. Vet.*

Charles Walter, D. V. M., *Asst. Vet.*

Whitehall (substa. of East St. Louis)—

P. A. Nulk, D. V. M., *Asst. Vet.*

Indiana:

Indianapolis—

J. D. Stillwell, D. V. M., *Assoc. Vet., Insp. in charge.*

Thorntown (substa. of Indianapolis)—

G. D. Ashley, D. V. M., *Asst. Vet.*

Zionsville (substa. of Indianapolis)—

Robert Thumann, D. V. M., *Asst. Vet.*

O. C. Mayer, M. D. V., *Asst. Vet.*

Iowa:

Des Moines (substa. of Fort Dodge)—

F. H. Schaefer, D. V. M., *Asst. Vet.*

Fort Dodge—

D. G. Tepfer, D. V. M., *Asst. Vet., Insp. in charge.*

L. V. Cummings, D. V. M., *Asst. Vet.*

Muscataine (substa. of Ottumwa)—

C. P. Lunneen, D. V. M., *Asst. Vet.*

Ottumwa—

E. E. Lollar, D. V. M., *Asst. Vet., Insp. in charge.*

Sioux City—

L. B. Vermillion, D. V. M., *Assoc. Vet., Insp. in charge.*

Eugene Combs, D. V. S., *Asst. Vet.*

Birtwhistle McCormack, D. V. M., *Asst. Vet.*

F. L. Skrabale, D. V. M., *Asst. Vet.*

FIELD STATIONS AND SUBSTATIONS—Continued.

Kansas:

Kansas City—

F. A. Imler, D. V. M., *Vet., Insp. in charge.*
O. E. Herl, D. V. M., *Asst. Vet., Asst. Insp. in charge.*

G. F. Babb, D. V. S., *Asst. Vet.*

H. J. Boyce, D. V. S., *Asst. Vet.*

A. A. Lemery, D. V. S., *Asst. Vet.*

H. R. McNally, D. V. S., *Asst. Vet.*

Theodore Pickett, D. V. S., *Asst. Vet.*

A. C. Trefzer, D. V. S., *Asst. Vet.*

Lathrop (substa. of Kansas City, Kans.)—

J. C. Bolton, D. V. M., *Asst. Vet.*

Manhattan (substa. of Topeka, Kans.)—

F. S. Ratts, D. V. M., *Asst. Vet.*

Topeka—

C. B. Clement, D. V. S., *Asst. Vet., Insp. in charge.*

Wichita—

F. N. Elwell, D. V. M., *Assoc. Vet., Insp. in charge.*

Edward Kernohan, D. V. M., *Asst. Vet.*

Henry Tornow, D. V. S., *Asst. Vet.*

Minnesota—St. Paul:

C. V. Metcalf, D. V. M., *Asst. Vet., Insp. in charge.*

Missouri—

St. Joseph—

J. S. Clark, D. V. M., *Asst. Vet., Insp. in charge.*

South St. Joseph (substa. of St. Joseph)—

C. L. Lash, D. V. S., *Asst. Vet.*

West Plains—

J. F. Park, D. V. M., *Asst. Vet., Insp. in charge.*

Nebraska:

Franklin (substa. of Kansas City, Kans.)—

A. L. Faunce, M. D. C., *Asst. Vet.*

Grand Island (substa. of Omaha)—

G. P. Rebold, D. V. M., *Asst. Vet.*

Hooper (substa. of Omaha)—

J. H. Cock, D. V. S., *Asst. Vet.*

Omaha—

H. H. Day, D. V. M., *Assoc. Vet., Insp. in charge.*

J. T. Draper, D. V. S., *Jr. Vet.*

J. C. Murphey, M. D. V., *Asst. Vet.*

L. S. Rohrer, D. V. S., *Asst. Vet.*

Ralston (substa. of Omaha)—

W. C. Hamilton, Jr., D. V. M., *Asst. Vet.*

Superior (substa. of Kansas City, Kans.)—

Walter Boyce, D. V. M., *Asst. Vet.*

New York—Pearl River:

F. A. Grenfell, D. V. M., *Assoc. Vet., Insp. in charge.*

C. D. Stein, D. V. M., *Asst. Vet.*

Ohio:

Columbus (substa. of Indianapolis, Ind.)—

R. N. Birdwhistell, D. V. M., *Asst. Vet.*

Fostoria (substa. of Indianapolis, Ind.)—

E. Lapple, D. V. M., *Asst. Vet.*

Oklahoma—Oklahoma City (substa. of Wichita, Kans.):

G. C. Gulick, D. V. M., *Asst. Vet.*

South Dakota—Sioux Falls (substa. of Sioux City, Iowa):

A. J. Beatty, D. V. M., *Jr. Vet.*

FIELD STATIONS AND SUBSTATIONS—Continued.

Texas—Fort Worth:

E. T. Marsh, D. V. M., *Asst. Vet., Insp. in charge.*

ZOOLOGICAL DIVISION

Maurice C. Hall, B. S., M. A., Ph. D., D. Sc., D. V. M., *Prin. Zool., Chief.*

Systematic Parasitology.

Albert Hassall, M. R. C. V. S., *Sr. Zool., in charge.*

Margie Potter, A. B., *Libr. Asst.*

Gertrude B. Carsen, *Libr. Asst.*

Parasites of Poultry.

Eloise B. Cram, A. B., M. S., Ph. D., *Zool., in charge.*

Ena A. Allen, B. A., M. A., Ph. D., *Assoc. Zool.*

Myrna Jones, A. B., M. A., *Jr. Zool.*

Parasites of Swine and Horses.

Benjamin Schwartz, A. B., M. A., Ph. D., *Sr. Zool., in charge.*

Allen McIntosh, B. S., M. S., *Asst. Zool.*

Jos. E. Alicata, B. A., M. A., *Jr. Zool.*

Parasites of Ruminants.

Chief of Div. in charge.

Gerald Dikmans, A. B., B. S. A., D. V. M., Ph. D. *Assoc. Parasit.*

Miscellaneous Parasites.

Emmett W. Price, D. V. M., *Parasit. in charge.*

D. T. Sinitin, Dr. Zool., *Assoc. Zool.*

Mary S. Skinner, B. S., M. S., *Jr. Zool.*

Treatment for Internal and External Parasitisms.

Chief of Div. in charge.

W. H. Wright, D. V. M., *Asst. Vet.*

John Bozиеvich, Sc. aid. in *Parasit.*

Field Stations.

Georgia—Moultrie:

E. M. Nighbert, D. V. S., *Assoc. Vet., in charge.*

J. W. Connolly, *Sr. Lay Insp. (internal parasites of swine).*

Kansas—Kansas City:

Marion Imes, M. S., D. V. M., *Sr. Vet., in charge.*

L. G. Brenner, *Sr. Lay Insp. (external parasites).*

Zeno C. Boyd, D. V. S., *Asst. Vet.*

Otis R. Burket, D. V. M., *Asst. Vet.*

Norman G. Cobbett, D. V. M., *Asst. Vet.*

W. Clyde Mitchell, D. V. M., *Asst. Vet.*

Clyde E. Smith, D. V. M., *Asst. Vet.*

Julius Stotchik, D. V. M., *Asst. Vet.*

Louisiana—Jeanerette:

Chas. W. Rees, B. S., M. S., Ph. D., *Assoc. Zool., in charge (protozoa parasites of cattle).*

Maryland—Beltsville:

Lawrence Avery, D. V. S., *Asst. Vet., in charge. (Zoological work).*

Lloyd A. Spindler, B. S., M. S., *Asst. Zool.*

Mississippi—McNeill:

Cooper Curtice, D. V. M., M. D., *Assoc. Vet., in charge (internal parasites of sheep).*

Montana—Miles City:

H. B. Raffensperger, M. D. C., *Asst. Vet., in charge (internal parasites of horses).*

Everett E. Wehr, B. S. A., M. S., *Asst. Zool., in charge (internal parasites of birds).*

BUREAU OF DAIRY INDUSTRY

O. E. Reed, M. S., *Chief.*

J. M. Kemper, *Assistant to Chief, Administration.*

A. B. Nystrom, M. S., *Assistant to Chief, Publications and Exhibits.*

Karl E. Parks, *Associate Dairy Engineer.*

Carrie B. Sherfy, *Junior Librarian.*

J. H. McClain, B. S., *Subject Matter Specialist in Dairy Production, Southern States.*

J. B. Parker, B. S. A., *Subject Matter Specialist in Dairy Production, New England States.*

DIVISION DAIRY RESEARCH LABORATORIES

L. A. Rogers, B. S., D. Sc., *Prin. Bact., Chief.*

Bacteriology and Chemistry of Milk.

E. O. Whittier, M. S., Ch. E., *Sr. Chem.*

W. C. Frazier, B. S., Ph. D., *Bact.*

Philip Rupp, Ph. D., M. D., *Assoc. Chem.*

S. P. Gould, B. S., *Jr. Chem.*

Condensed Milk and Milk Powder.

G. E. Holm, M. S., Ph. D., *Sr. Chem.*

G. R. Greenbank, B. A., *Assoc. Chem.*

H. R. Curran, B. S., Ph. D., *Assoc. Bact.*

E. F. Deysher, B. S., *Asst. Chem.*

P. A. Wright, M. A., *Asst. Chem.*

B. W. Webb, M. S., *Jr. Dairy Mfg. Spec.*

Cheese Manufacturing Investigations.

K. J. Matheson, B. S., *Sr. Dairy Mfg. Spec.*

L. A. Burke, M. S., Ph. D., *Assoc. Bact.*

P. D. Watson, B. S., *Asst. Chem.*

S. A. Hall, B. S., *Asst. Dairy Mfg. Spec.*

G. P. Sanders, M. S., *Jr. Dairy Mfg. Spec.*

Butter and By-Products.

R. W. Bell, M. S. A., Ph. D., *Assoc. Dairy Mfg. Spec.*

P. N. Peter, B. S., *Asst. Chem.*

Emily Grewe, B. Ed., M. A., Ph. D., *Asst. Home Econ. Spec.*

Ice Cream Investigations.

Alan Leighton, B. S., *Sr. Chem.*

O. E. Williams, B. S., *Asst. Dairy Mfg. Spec.*

F. E. Kurtz, B. S., *Jr. Chem.*

Nutrition of Dairy Cows.

E. B. Meigs, A. B., M. D., *Sr. Physiol.*

C. A. Cary, S. B., *Chem.*

B. H. Nicolet, A. B., Ph. D., *Chem.*

W. A. Turner, M. A., Ph. D., *Assoc. Chem.*

H. T. Converse, B. S., M. A., *Assoc. Dairy Husb.*

A. M. Hartman, M. S., *Asst. Chem.*

E. A. Kane, M. S., *Asst. Chem.*

DIVISION OF DAIRY CATTLE BREEDING, FEEDING, AND MANAGEMENT

R. R. Graves, M. S., *Prin. Spec. in Dairy Cattle Breeding, Chief.*

M. H. Fohrman, B. S., A. M., *Sr. Dairy Husb.*

W. W. Swett, B. S., A. M., *Sr. Dairy Husb.*

J. R. Dawson, B. A., A. M., *Sr. Dairy Husb.*

T. E. Woodward, M. S., *Sr. Dairy Husb.*

F. W. Miller, D. V. M., M. S. A., *Sr. Vet. and Physiol.*

Duncan Stuart, M. S., *Assoc. Dairy Husb.*

J. B. Shepherd, B. S. A., *Assoc. Dairy Husb.*

C. J. Stauber, *Asst. Dairy Husb.*

DIVISION OF MARKET-MILK INVESTIGATIONS

Ernest Kelly, *Sr. Mkt. Milk Spec., Chief.*

C. E. Clement, B. S., M. A., *Assoc. Mkt. Milk Spec.*

G. J. Babcock, B. S. A., *Assoc. Mkt. Milk Spec.*

C. S. Leete, B. S., *Assoc. Mkt. Milk Spec.*

J. B. Bain, A. B., *Assoc. Mkt. Milk Spec.*

L. H. Burgwald, B. S. A., *Assoc. Mkt. Milk Spec.*

F. M. Grant, B. S., *Asst. Mkt. Milk Spec.*

R. P. Hotis, B. S. A., *Asst. Mkt. Milk Spec.*

DIVISION OF DAIRY HERD IMPROVEMENT INVESTIGATIONS

J. C. McDowell, M. A., Ph. D., *Sr. Dairy Husb., Chief.*

J. E. Dorman, *Sr. Dairy Husb.*

W. E. Wintermeyer, B. S. A., *Assoc. Dairy Husb.*

FIELD HEADQUARTERS.

Alabama-Auburn:

L. H. Stinnett, B. S., *Agt. in Dairying, (Coop.).*

DIVISION OF DAIRY MANUFACTURING INVESTIGATIONS AND INTRODUCTION

Wm. White, B. S. A., *Sr. Dairy Mfg. Spec., Actg. Chief.*

C. S. Trimble, B. S. A., *Assoc. Dairy Mfg. Spec.*

H. L. Wilson, *Assoc. Dairy Mfg. Spec.*

J. G. Winkjer, *Assoc. Dairy Husb.*

FIELD HEADQUARTERS.

Mississippi—A. & M. College:

J. Albert Fenger, *Agt. in Dairying, (Coop.).*

New York—East Aurora:

A. J. Boyer, B. S., *Assn. Dairy Mfg. Spec. (Coop.).*

Ohio—Sugar Creek:

R. E. Hardell, B. S. A., *Assoc. Dairy Mfg. Spec. (Coop.).*

Pennsylvania—Grove City:

R. F. Flint, *Agt. in Dairying (Coop.).*

C. A. Buck, B. S., *Agt. in Dairying (Coop.).*

Tennessee—Nashville:

L. S. Edwards, *Asst. Dairy Mfg. Spec. (Coop.).*

FIELD STATIONS.

Louisiana—Jeanerette:

S. L. Cathcart, B. S., *Agt. in Dairying (Coop.)*.

Maryland—Beltsville:

T. W. Moseley, M. S., *Assoc. Dairy Husb., Supt.*

Montana—Huntley:

D. V. Kopland, B. S., *Asst. Dairy Husb.*

North Dakota—Mandan:

A. L. Watt, M. S., *Agt. in Dairying (Coop. Supt.)*.

Oklahoma—Woodward:

A. G. Van Horn, B. S. A., *Agt. in Dairying (Coop.), Supt.*

FIELD STATIONS—Continued.

Pennsylvania—Grove City:

W. T. Johnson, S. B., *Assoc. Bact.*
G. A. Ramsdell, M. S., *Asst. Chem.*
F. R. Evans, B. S., *Jr. Bact.*

South Carolina—Columbia:

J. A. Riley, M. S., *Agt. in Dairying (Coop.), Supt.*

J. E. Adams, M. S., *Assoc. Soil Technol.*

A. S. Laird, B. S., *Agt. (Coop.)*.

E. W. Faires, B. S., *Agt. (Coop.)*.

W. M. Quattlebaum, B. S., *Agt. (Coop.)*.

South Dakota—Ardmore:

R. H. Smith, M. S., *Agt. in Dairying (Coop.)*.

Tennessee—Lewisburg:

(Supt. not yet designated.)

BUREAU OF PLANT INDUSTRY

William A. Taylor, B. S., D. Sc., *Chief*.

Karl F. Kellerman, B. S., D. Sc., *Assoc. Chief*.

H. E. Allanson, B. S., *Asst. Chief*.

OFFICE OF CHIEF OF BUREAU

Business and Personnel.

F. J. Hopkins, A. B., *Admin. Asst.*

W. E. Taylor, *Chief Clerk*.

F. E. Meloy, *Asst., in charge of Property*.

W. P. Cox, *Asst., in charge of Accounts*.

Sarah H. McInteer, *Personnel Clerk*.

Publications.

James M. Pickens, *Assoc. Ed., in charge*.

Edwina V. A. Avery,* LL. B., LL. M., M. P. L., *Asst. Ed.*

Annie Rathbun Gravatt,* A. B., M. S., *Asst. Ed.*

Library.

Jessie M. Allen, *Asst. Libr., in charge*.

Marjorie F. Warner, *Asst. Libr.*

Ruth D. Forbes, B. S., *Jr. Libr.*

Martha A. Sherman, *Jr. Libr.*

ARLINGTON EXPERIMENT FARM,
ROSSLYN, VA.

E. C. Butterfield, B. S., *Sr. Hort. and Supt. in charge*.

J. H. Criswell, B. S., *Assoc. Hort., Asst. Supt.*

Joseph L. Rhodes, *Prin. Sci. Aid*.

Edward C. Taylor, *Asst. Sci. Aid*.

August Mayer, *Sr. Gardener, in charge of green-houses*.

Hershey W. Brunk, *Head Gardener*.

BIOPHYSICAL LABORATORY

G. N. Collins, *Prin. Bot., in charge*.

J. H. Kempton, *Bot.*

J. O. Belz, Ph. B., M. Di., *Assoc. Biophys.*

L. H. Flint, B. S., M. S., Ph. D., *Assoc. Physiol.*

A. E. Longley, B. S., A. M., Ph. D., *Assoc. Bot.*

John W. McLane, B. S., *Asst. Biophys.*

William D. Donahoo, *Sr. Lab. Mech.*

FIELD HEADQUARTERS.

Virginia-Rosslyn, (Arlington Exp. Farm):

Bruce Caldwell, *Un. Sci. Helper*.

BLISTER RUST CONTROL

Samuel B. Detwiler, B. S. F., *Prin. Path., in charge*.

Eastern Control Program.

James F. Martin, B. S., M. S., Ph. D., *Sr. Path., in charge*.

Roy G. Pierce, A. B., B. S. F., M. S. F., *Assoc. Path.*

FIELD HEADQUARTERS.

Connecticut:

Torrington—

Ernest D. Clark, Ph. B., M. F., *Agt., Co. Leader*.

New Haven—

James E. Riley, jr., B. S., M. F., *Asst. Path., State Leader*.

Walter O. Filley, *Collab.*

Maine:

Auburn—

Guy H. Kimball, *Agt., Co. Leader*.

Augusta—

Walter O. Frost, B. S. F., *Assoc. Path., State Leader*.

Arthur J. Lambert, *Agt.*

Neil L. Violette, A. B., LL. B., *Collab.*

North Bridgton—

Daniel S. Curtis, *Agt., Co. Leader*.

Portland—

Solon D. Conner, B. S. F., *Agt., Co. Leader*.

Waterville—

John MacG. White, *Agt., Co. Leader*.

Massachusetts:

Arlington Heights—

William T. Roop, *Agt., Co. Leader*.

Boston—

Carl C. Perry, B. S., M. F., *Agt., State Leader*.

Edmund C. Filler, B. S. F., *Sr. Path.*

Kirk K. Stimson, *Agt.*

North Abington—

Earle M. Brockway, B. S., *Agt., Co. Leader*.

Gardner—

William Clave, *Agt., Co. Leader*.

Eastern Control Program—Continued.**FIELD HEADQUARTERS—Continued.****Massachusetts—Continued.****Great Barrington—**

William J. Endersbee, A. B., B. S. F.,
Asst. Path., Co. Leader.

Northampton—

George S. Doore, *Agt., Co. Leader.*

Springfield—

Ralph E. Wheeler, *Agt., Co. Leader.*

Taunton—

Lewis W. Hodgkins, *Agt.*

Michigan—Lansing:

David J. Stouffer, B. S., *Agt., State Leader.*

Minnesota—St. Paul:

Lawrence B. Ritter, B. S. F., *State Leader.*

New Hampshire:**Concord—**

Leonard E. Newman, *Agt., State Leader.*

Thomas J. King, *Agt., Co. Leader.*

John H. Foster, M. S., M. F., *Collab.*

Conway—

Stephen H. Boomer, B. S. F., *Agt., Co. Leader.*

Exeter—

Lewis C. Swain, B. S. F., *Agt., Co. Leader.*

Keene—

Frederick J. Baker, *Agt., Co. Leader.*

Lebanon—

George F. Richardson, Jr., *Agt., Co. Leader.*

Rochester—

William J. Cullen, *Agt., Co. Leader.*

Woodsville—

Thomas L. Kane, *Agt., Co. Leader.*

New Jersey—Morristown:

Paul B. Mott, B. S. A., *State Leader.*

New York:**Albany—**

H. L. McIntyre, *Collab., State Leader.*

Noble H. Harpp, *Agt., Co. Leader.*

George E. Stevens, *Collab., Co. Leader.*

Gloversville—

John W. Chailton, B. S., *Agt., Co. Leader.*

Hyde Park—

Harrison G. Strait, *Agt., Co. Leader.*

Lewis—

Benjamin H. Nichols, *Agt., Co. Leader.*

Lowville—

Irving S. Bowlby, B. S. F., M. F., *Agt., Co. Leader.*

Peru—

Harry W. Holcomb, *Agt., Co. Leader.*

Saranac Lake—

Walter F. Pratt, B. S., *Agt., Co. Leader.*

Warrensburg—

Alfred E. Fivaz, B. S. F., *Agt.*

Ernest G. Woodward, *Agt., Co. Leader.*

Rhode Island—Providence:

Archie W. Hurford, B. S., *Agt., State Leader*

Vermont:**Montpelier—**

Robert M. Ross, B. S. F., *Collab.*

Rutland—

Wilbur E. Bradder, *Agt., Co. Leader.*

Eastern Control Program—Continued.**FIELD HEADQUARTERS—Continued.****Vermont—Continued.****White River Junction—**

Frank H. Rose, *Agt., Co. Leader.*

Wisconsin—Madison:

Herman J. Ninman, B. S., M. S., *Agt., State Leader.*

Western Control Program.

Gilbert B. Posey, B. S., M. S., *Sr. Path., in charge.*

FIELD HEADQUARTERS.**California:****Berkeley—**

Frank A. Patty, B. S., *Jr. Path.*

Harold R. Offord, B. A., M. A., *Agt.*

Rene P. d'Urbal, A. B., *Agt.*

George R. Van Alta, *Agt.*

James P. Bennett, A. B., A. M., Ph. D.,
Collab.

Thos. H. Goodspeed, A. B., Ph. D., *Collab.*

Dennis R. Hoagland, A. B., M. A., *Collab.*

Sacramento—

George A. Root, B. S., M. S., *Asst. Path., State Leader.*

Colorado—Ft. Collins:

Burton O. Longyear, B. S., *Collab.*

Idaho—Moscow:

Ernest E. Hubert, B. S., M. S., Ph. D.,
Collab., State Leader.

Montana—Missoula:

Charles H. Johnson, B. S. F., *Asst. Path., State Leader.*

Door Skeels, B. S., *Collab.*

Oregon—Corvallis:

Leslie N. Goodding, B. A., B. S. F., B. Ped.,
Assoc. Path., State Leader.

Frank P. Sipe, B. S., M. S., *Agt.*

Utah—Salt Lake City:

Albert O. Garrett, A. B., *Collab.*

Washington:**Olympia—**

Elton F. Ross, *Collab.*

Spokane—

Stephen N. Wyckoff, B. S., *Sr. Path*

Henry H. Putnam, B. C., *Assoc. Path.*

Jesse L. Bedwell, B. S., M. S., *Asst. Path.*

William A. Rockie, B. S. A., *Asst. Path.*

Clarence C. Strong, B. S., *Assoc. For.*

Bernard A. Anderson, B. S. F., *Jr. For.*

Warren V. Benedict, B. S. F., *Asst. Path.*

Thos. H. Harris, B. S., *Jr. For.*

Douglas R. Miller, B. S., *Jr. For.*

Marvin C. Riley, B. S. F., *Jr. For.*

Philip S. Simcoe, B. S. F., *Jr. For.*

Edward L. Joy, B. S., *Jr. For.*

William G. Guernsey, *Jr. For.*

John F. Breakey, *Agt.*

Harry F. Geil, *Agt.*

Robert L. MacLeod, A. B., *Agt.*

Remley E. Myers, *Agt.*

Carl O. Peterson, *Agt.*

Herman E. Swanson, A. B., *Agt.*

Bernard A. Ganoung, *Agt.*

Aaron H. Glasgow, *Agt.*

George M. Whiting, *Agt.*

BOTANY

Frederick V. Coville, A. B., D. Sc., *Prin. Bot.*, in charge.

Economic and Systematic Botany.

A. S. Hitchcock, B. S. A., M. S., D. Sc., *Prin. Bot.*

S. F. Blake, A. M., Ph. D., *Sr. Bot.*

Agnes Chase*, *Assoc. Bot.*

Ivar Tidestrom, Ph. B., *Asst. Bot.*

Alice C. Atwood, Ph. B., *Asst. Libr.*

Oliver M. Freeman, A. B., *Asst. Bot.*

Jason R. Swallen, B. A., M. S., *Jr. Bot.*

Field Headquarters.

North Carolina—Willard:

Gustav A. Schulze, B. F., For. Eng., *Assoc. Bot.*

Weed Investigations.

M. W. Talbot, B. S., *Sr. Bot.*

CEREAL CROPS AND DISEASES

Carleton R. Ball, M. S., D. Sc., *Prin. Agron.*, in charge.

Cereal Agronomy Investigations.

Max A. McCall, M. S., *Prin. Agron.*

(1) Eastern Wheat Investigations.

Clyde E. Leighty, B. A., Ph. D., *Prin. Agron.*

William J. Sando, M. S., *Assoc. Agron.*

(2) Western Wheat Investigations.

J. Allen Clark, M. S., *Sr. Agron.*

Karl S. Quisenberry, M. S., *Assoc. Agron.*

Reed Walker, B. S., *Jr. Chem.*

Clarence G. Colcord, *Sci. Aid.*

(3) Oat Investigations.

T. Ray Stanton, M. S., *Sr. Agron.*

Franklin A. Coffman, M. S., *Assoc. Agron.*

Robt. E. Wester, *Asst. Sci. Aid.*

(4) Barley Investigations.

Harry V. Harlan, M. S., D. Sc., *Prin. Agron.*

Merritt N. Pope, B. S., A. M., Ph. D., *Assoc. Agron.*

Mary L. Martini, B. S., *Asst. Bot.*

Lucille Reinbach, B. A., *Jr. Agr. Stat.*

(5) Rice Investigations.

Charles E. Chambliss, M. S., *Assoc. Agron.*

(6) Corn Investigations.

Frederick D. Richey, B. S., *Sr. Agron.*

Curtis H. Kyle, B. S., *Sr. Agron.*

Harry S. Garrison, B. S., *Asst. Agron.*

Joseph M. Hammerly, *Sr. Sci. Aid.*

(7) Grain Sorghum and Broomcorn Investigations.

John H. Martin, M. S., Ph. D., *Agron.*

(8) Seed Flax Investigations.

Arthur C. Dillman, M. S., *Assoc. Agron.*

Cereal Pathology Investigations.

Aaron G. Johnson, M. S., Ph. D., *Prin. Path.*

(1) Sac and Imperfect Fungi Investigations.

Aaron G. Johnson, M. S., Ph. D., *Prin. Path.*

(2) Cereal Rust Investigations.

Harry B. Humphrey, B. S., Ph. D., *Prin. Path.*

Cereal Pathology Investigations—Continued.

(3) Cereal Smut Investigations.

———, *Path.*

Marion Griffiths Zehner*, M. S., *Asst. Path.*

Horace V. Wester, Jr., *Sci. Aid.*

(4) Cereal Bacteria Investigations.

Charlotte Elliott, A. B., A. M., Ph. D., *Assoc. Path.*

Barberry Eradication.

Lynn D. Hutton, M. S., LL. B., *Path.*

Cereal Physiology Investigations.

Annie M. Hurd-Karrer*, M. S., Ph. D., *Assoc. Physiol.*

Field Stations (Coop.).

Arkansas—Fayetteville:

Edgar C. Tullis, A. B., M. A., Ph. D., *Agt. (rice diseases).*

California:

Berkeley—

Ruth F. Allen, M. A., Ph. D., *Assoc. Path (cereal rust inv.).*

Fred N. Briggs, M. S., Ph. D., *Assoc. Path. (cereal smu. inv.).*

Biggs—

Jenkin W. Jones, M. S., *Sr. Agron. and Supt. (rice inv.).*

Davis—

Gustor A. Wiebe, M. S., *Asst. Agron. (cereal prod. and improvement.)*

Victor H. Florell, M. S., *Assoc. Agron (cereal prod. and improvement).*

Colorado—Fort Collins:

Ernest A. Lungren, M. S., *Asst. Path. (barberry erad.).*

Georgia—Athens:

Ross R. Childs, M. S., *Agt. (cereal prod. and improvement).*

Idaho:

Aberdeen—

Loren L. Davis, M. S., Jr., *Agron. (cereal prod. and improvement).*

Moscow—

Wayne M. Bever, M. S., Jr., *Path. (stripe rust inv.).*

J. Millford Raeder, M. S., *Agt. (stripe rust inv.).*

Illinois:

Bloomington—

James R. Holbert, M. S., Ph. D., *Sr. Agron. (corn root-rot, stalk-rot, and ear-rot inv.).*

Boyd C. Frye, *Asst. Sci. Aid. (corn root-rot, stalk-rot, and ear-rot inv.).*

Urbana—

Robert W. Bills, B. S., *Agt. (barberry erad.).*

Indiana—La Fayette:

John F. Trost, M. S., *Assoc. Path. (corn root-rot, stalk-rot, and ear-rot inv.).*

Ralph R. St. John, M. S., *Assoc. Agron. (corn root-rot, stalk-rot, and ear-rot inv.).*

Glenn M. Smith, M. S., *Asst. Path. (corn root-rot, stalk-rot, and ear-rot inv.).*

Field Stations—Continued.

Indiana—La Fayette—Continued.

Edwin B. Mains, A. B., Ph. D., *Agt. (leaf rust inv.)*.

Leroy E. Compton, M. S., *Asst. Path. (leaf rust inv.)*.

Wayne E. Leer, M. S., *Agt. (barberry erad.)*.

Iowa—Ames:

Merle T. Jenkins, M. S., Ph. D., *Assoc. Agron. (corn inv.)*.

Arthur A. Bryan, M. S., *Asst. Agron. (corn inv.)*.

Robert W. Jugenheimer, *Agt. (corn inv.)*.

Sherlock M. Dietz, M. S., Ph. D., *Agt. (oat crown-rust inv.)*.

Hickman C. Murphy, M. S., *Asst. Path. (oat crown-rust inv.)*.

Lyman C. Burnett, M. S., *Agt. (oat breeding inv.)*.

Percy W. Rohrbaugh, B. A., *Agt. (barberry erad.)*.

Kansas:

Hays—

Arthur F. Swanson, M. S., *Assoc. Agron. (cereal prod. and improvement)*.

Manhattan—

Arthur M. Brunson, M. S., Ph. D., *Agron. (corn inv.)*.

Carl W. Bower, B. S., *Agt. (corn inv.)*.

John H. Parker, M. S., Ph. D., *Agron. (cereal breeding and improvement)*.

Leo E. Melchers, M. S., *Agt. (cereal diseases)*.

Hurley Fellows, M. S., Ph. D., *Assoc. Path. (wheat foot-rot inv.)*.

Charles O. Johnston, M. S., *Asst. Path. (leaf rust inv.)*.

Louisiana:

Baton Rouge—

Hugo F. Stoneberg, M. S., *Asst. Agron. (corn inv.)*.

Crowley—

J. Mitchell Jenkins, B. S., *Assoc. Agron. and Supt. (rice inv.)*.

Michigan—East Lansing:

Walter F. Reddy, LL. B., *Path. (barberry erad.)*.

Minnesota:

Minneapolis—

—, *Agt. (barberry erad.)*.

St. Paul—

Elbin C. Stakman, M. A., Ph. D., *Agt. (stem rust inv.)*.

Moses N. Levine, M. S., Ph. D., *Path. (stem rust inv.)*.

Jonas J. Christensen, M. S., Ph. D., *Agt. (stem rust inv.)*.

Ralph U. Cotter, M. S., Ph. D., *Asst. Path. (stem rust inv.)*.

Edward M. Freeman, M. S., Ph. D., *Collab. (stem rust inv.)*.

Helen Hart, M. A., Ph. D., *Agt. (stem rust inv.)*.

Leonard W. Melander, M. S., *Assoc. Path. (barberry erad.)*.

Gilbert D. George, *Agt. (barberry erad.)*.

Elmer R. Ausemus, M. S., *Asst. Agron. (cereal breeding inv.)*.

Field Stations—Continued.

Minnesota—Continued.

Minneapolis—Continued.

Reyburn, H. Bamberg, M. S., *Agt. (cereal diseases)*.

Herbert K. Hayes, M. S., Sc. D., *Collab. (cereal breeding inv.)*.

Herman A. Rodenhiser, M. S., *Agt. (flax diseases)*.

Missouri:

Columbia—

Lewis J. Stadler, B. S., A. M., Ph. D., *Agt. (corn inv.)*.

Elsberry—

Bascom M. King, B. S., A. M., *Agt. (rice inv.)*.

Montana:

Bozeman—

William L. Popham, B. S., *Agt. (barberry erad.)*.

Moccasin—

Burton B. Bayles, M. S., *Asst. Agron. (cereal prod. and improvement)*.

Nebraska:

Lincoln—

Path. (barberry erad.).

Theodore A. Kiesselbach, A. B., B. S., M. A., Ph. D., *Agt. (corn inv.)*.

North Platte—

George F. Sprague, M. S., *Asst. Agron. (cereal prod. and improvement)*.

New York—Ithaca:

Lowell F. Randolph, Ph. D., *Assoc. Cytol. (cytology, histology, and morphology of corn)*.

William T. Craig, *Agt. (cereal prod. and improvement)*.

Ernest Dorsey, B. S., Ph. D., *Agt. (cytology of cereals)*.

North Dakota:

Dickinson—

Ralph W. Smith, M. S., *Assoc. Agron. (cereal prod. and improvement)*.

Fargo—

George C. Mayoue, M. S., *Assoc. Path. (barberry erad.)*.

Lytton W. Boyle, M. S., *Asst. Path. (flax diseases)*.

Langdon—

Glenn S. Smith, B. S., Jr. *Agron. (wheat breeding)*.

Mandan—

John C. Brinsmade, jr., A. B., *Asst. Agron. (flax inv.)*.

Vincent C. Hubbard, M. S., *Agron. (cereal prod. and improvement)*.

Ohio:

Columbus—

John W. Baringer, A. B., M. S., *Path. (barberry erad.)*.

Louis R. Jorgenson, M. S., Ph. D., *Asst. Agron. (corn inv.)*.

Wooster—

Jasper D. Sayre, M. A., Ph. D., *Agt. (corn physiology)*.

John S. Cutler, M. S., *Agt. (corn inv.)*.

Field Stations—Continued.

Oklahoma—Woodward:

John B. Sieglinger, M. S., *Agron. (grain sorghum and broomcorn inv.)*.

Oregon:

Moro—

David E. Stephens, B. S., *Sr. Agron. and Supt. (cereal prod. and improvement)*.

James F. Martin, B. S., *Jr. Agron. (cereal prod. and improvement)*.

Robert B. Hoskinson, *Agt. (cereal prod. and improvement)*.

Corvallis—

Roderick Sprague, M. S., Ph. D., *Asst. Path. (wheat foot rots)*.

South Dakota:

Brookings—

Raymond O. Bulger, B. S., *Agt. (barberry erad.)*.

Redfield—

Edgar S. McFadden, B. S., *Assoc. Agron. (wheat breeding)*.

Tennessee—Knoxville:

Ludwig S. Mayer, M. S., *Asst. Agron. (corn inv.)*.

Virginia—Rosslyn (Arlington Exp. Farm):

Harold H. McKinney, M. S., *Sr. Path. (virus diseases)*.

Paul D. Peterson, M. S., Ph. D., *Asst. Path. (virus diseases)*.

Walter Marcey, *Hd. Gardener (virus diseases)*.

Robert W. Leukel, M. S., *Assoc. Path. (cereal disease inv.)*.

Fred Young, *Under Sci. Helper (cereal disease inv.)*.

Emery R. Ranker, B. S., M. A., Ph. D., *Assoc. Physiol. (cereal smut inv.)*.

Victor F. Tapke, B. S., Ph. D., *Path. (cereal smut inv.)*.

John W. Taylor, M. S., *Assoc. Agron. (cereal production and improvement)*.

Washington—Pullman:

Edward F. Gaines, M. S., Sc. D., *Agt. (cereal smut inv.)*.

Harold H. Flor, M. S., Ph. D., *Agt. (cereal smut inv.)*.

Wisconsin—Madison:

James G. Dickson, M. S., Ph. D., *Agt. (cereal disease inv.)*.

Karl P. Link, B. S., Ph. D., *Agt. (cereal disease inv.)*.

Allan D. Dickson, B. S., Ph. D., *Agt. (barley scab)*.

Paul E. Hoppe, B. S., Ph. D., *Agt. (barley, scab inv.)*.

Ruebush G. Shands, M. S., Ph. D., *Agt. (barley scab)*.

Helen Johann, A. M., *Asst. Path. (wheat scab inv.)*.

Chester Barlow, *Asst. Sci. Aid (wheat scab inv.)*.

Ralph M. Caldwell, M. S., Ph. D., *Agt. (barberry erad.)*.

CITRUS CANKER ERADICATION

Directed by Assoc. Chief of Bureau.

FIELD HEADQUARTERS.

Alabama—Mobile:

John W. Pace, M. S., *Agt. (delegated by Comr. of Agr. of Alabama to direct all local work pertaining to erad. of citrus canker)*.

Florida—Gainesville:

Wilmon Newell, M. S., D. Sc., *State pl. Comr. (Collab.)*.

Louisiana—Baton Rouge:

W. E. Anderson, B. S., *State Ent. (Collab.)*.

Mississippi—A. & M. College:

R. W. Harned, B. S., *State Ent. (Collab.)*.

Texas—Austin:

J. M. Del Curto, B. S., *State Ent. (Collab.)*.

COTTON, RUBBER, AND OTHER
TROPICAL PLANTS

O. F. Cook, Ph. B., *Prin. Bot., in charge.*

Crop Acclimatization, Cotton Production and Diseases, and Rubber Production Investigations.

C. B. Doyle, *Sr. Agron.*

W. H. Jenkins, B. S., *Assoc. Agron.*

L. G. Polhamus, *Chief Sci. Aid.*

R. L. Taylor, *Chief Sci. Aid.*

A. D. Harvey, *Asst. Sci. Aid.*

FIELD STATIONS.

Arizona—Sacaton (U. S. Field Station):

C. J. King, B. S., *Agron. and Supt.*

J. S. Townsend, *Assoc. Technol.*

H. F. Loomis, *Asst. Agron.*

Claude Hope, B. S., *Jr. Hort.*

Francis L. Smith, M. S., *Jr. Agron.*

California:

Bard (U. S. S. Acclimatization Garden)—

R. E. Beckett, *Prin. Sci. Aid.*

J. W. Hubbard, *Asst. Sci. Aid.*

R. S. Stitt, *Asst. Sci. Aid.*

Berkeley—

H. M. Hall, *Collab.*

Indio—

H. G. McKeever, *Asst. Agron.*

San Bernardino—

J. B. Griffing, *Collab.*

Shafter (U. S. Cotton Field Station)—

W. B. Camp, B. S., *Asso. Agron.*

W. E. Clark, B. S., *Jr. Agron.*

F. W. Herbert, *Prin. Sci. Aid (Acting Supt.)*.

J. E. Hite, *Agt.*

Torrey Pines (U. S. San Diego Acclimatization Garden)—

C. G. Marshall, *Asst. Agron. and Supt.*

Florida—Coconut Grove (Chapman Field Garden):

Alfred Keys, *Assoc. Hort.*

N. S. Philippi, *Sci. Aid.*

Haiti:

Bayeux—

Laurence Bolte, *Agt.*

Crop Acclimatization, Cotton Production and Diseases, and Rubber Production Investigations—Continued**FIELD STATIONS—Continued.****HAITI—Continued.****Thor—**

F. C. Baker, B. S., *Sr. Technol. and Supt.*
J. L. Jenkins, *Agt.*

New Mexico—State College (U. S. Acclimatization Field Station):

A. R. Leding, *Chief Sci. Aid.*

L. R. Lytton, *Asst. Sci. Aid.*

South Carolina—James Island, near Charleston (U. S. Acclimatization Field Station):

D. M. Simpson, B. S., *Assoc. Agron.*

W. W. Ballard, *Prin. Sci. Aid.*

W. E. Townsend, *Agt.*

J. P. Royall, *Under Sci. Helper.*

Texas:**Austwell—**

J. H. Kinsler, *Collab.*

Greenville (U. S. Cotton Breeding Field Station)—

H. C. McNamara, B. S., *Assoc. Agron. and Supt.*

D. C. Neal, Ph. D., *Sr. Path.*

D. R. Hooton, B. S., *Asst. Pomol.*

W. P. Snyder, M. S., *Sr. Sci. Aid.*

D. D. Portel, *Asst. Sci. Aid.*

DRUG AND RELATED PLANTS

W. W. Stockberger, B. S., Ph. D., *Prin. Physiol., in charge.*

Drug Plants, Volatile Oils, Fixed Oils, and Waste Products Investigations.

Arthur F. Sievers, Pharm. G., B. S., *Sr. Biochem.*

Frank Rabak, Pharm. G., B. S., *Assoc. Biochem.*

Morris S. Lowman, B. A., *Jr. Biochem.*

Poisonous Plant Investigations.

Otis F. Black, A. M., *Sr. Biochem.*

Willard W. Eggleston, B. S., *Asst. Bot.*

James W. Kelly, Pharm. D., *Jr. Biochem.*

DRY LAND AGRICULTURE

E. C. Chilcott, B. S., M. S., *Prin. Agr., in charge.*

John S. Cole, B. S., *Sr. Agron.*

NORTHERN FIELD STATIONS (hdqrs., Mandan, N. Dak.).

John M. Stephens, B. S., *Prin. Agr. and Supvr., Northern group.*

Colorado—Akron:

Joseph F. Brandon, B. S., *Assoc. Agron., Supt.*

Montana:**Have—**

George W. Morgan, B. S., *Assoc. Agron., Supt.*

Huntley—

Arthur E. Seamans, B. S., *Assoc. Agron.*

Moccasin—

Irving J. Jensen, B. S., M. S., *Agt., Supt.*

Nebraska—North Platte:

Leslie L. Zook, B. S., *Assoc. Physiol.*

Harry E. Weakly, B. S., *Jr. Agron.*

NORTHERN FIELD STATIONS—Continued.**North Dakota:****Dickinson—**

Leroy Moomaw, B. S., *Assoc. Agron., Supt.*

Mandan (hdqrs. of Supvr., Northern group)—

William P. Baird, B. S., *Assoc. Hort.*

Johnson T. Sarvis, B. S., M. S., *Assoc. Agron.*

John C. Thysell, B. S., *Assoc. Agron.*

Thomas K. Killand, *Sr. Sci. Aid.*

John L. Emerson, B. S., *Agt.*

Ernest J. George, B. S., *Agt.*

Oregon—Pendleton:

David E. Stephens, B. S., *Sr. Agron., Supt.*

George A. Mitchell, B. S., *Asst. Agron.*

South Dakota:**Ardmore—**

Oscar R. Mathews, B. S., M. S., *Assoc. Agron., Supt.*

Verner I. Clark, *Sci. Aid.*

Newell—

Albert Osenbrug, B. S., *Assoc. Agron., Supt.*

Wyoming:**Archer—**

August L. Nelson, B. S. M. S., *Assoc. Agron., Supt.*

Cheyenne—

Robert Wilson, B. S., *Assoc. Arbor Supt.*

John S. Kelso, *Sr. Sci. Aid and Farm Foreman.*

Sheridan—

Ray S. Towle, B. S., *Assoc. Agron., Supt.*

Ralph M. Williams, B. S., *Jr. Agron.*

SOUTHERN FIELD STATIONS (hdqrs., Woodward, Okla.).

Ellery F. Chilcott, B. S., *Sr. Agr. and Super., Southern group.*

Kansas:**Colby—**

Embert H. Coles, B. S., *Assoc. Agron., Supt.*

Joseph B. Kuska, B. S., *Agt.*

Garden City—

Richard L. von Trebra, B. S., *Agt.*

Hays—

Alanson L. Hallsted, B. S., *Assoc. Agron.*

New Mexico—Tucumcari:

Donald R. Burnham, B. S., *Assoc. Agron., Supt.*

Oklahoma:**Lawton—**

Walter M. Osborn, B. S., *Assoc. Agron., Supt.*

Woodward (hdqrs. of Supvr., Southern group)—

Lowell F. Locke, B. S., *Assoc. Hort.*

Harry J. Clemmer, B. S., *Assoc. Agron., Supt.*

Texas:**Big Spring—**

Fred E. Keating, B. S., *Assoc. Agron., Supt.*

Dalhart—

Benjamin F. Barnes, B. S., *Agt., Supt.*

EGYPTIAN COTTON BREEDING

T. H. Kearney, LL. D., *Prin. Physiol., in charge.*

Egyptian Cotton Breeding Investigations.**FIELD STATION.****Arizona—Sacaton:**

George J. Harrison, *Associate Agronomist.*

Harold J. Fulton, *Assistant Agronomist.*

Breeding and Physiology of Alkali and Drought.**Resistant Plants.****FIELD STATION.**

Arizona—Sacaton:

George J. Harrison, *Associate Agronomist.***FIBER PLANTS**Lyster H. Dewey, B. S., *Sr. Bot., in charge*H. T. Edwards, B. S., *Sr. Technol.***FIELD HEADQUARTERS.**

Michigan—East Lansing:

Brittain B. Robinson, M. S., *Asst. Pl. Breeder.*

Porto Rico—Mayaguez:

Rafael Vidal, *Agt.*

Wisconsin—Madison:

A. H. Wright, M. S., *Agt.***FORAGE CROPS**Russel A. Oakley, B. S., D. Sc., *Prin. Agron., in charge.***Clovers and Clover-like Legumes, Green Manure, and Cover Crops.**Adrian J. Pieters, B. S., Ph. D., *Sr. Agron.*Eugene A. Hollowell, B. S., M. S., Ph. D., *Asst. Agron.***Sorghums and Pasture and Meadow Grasses.**Harry N. Vinall, B. S., M. S., *Sr. Agron.*Mason A. Hein, B. S., M. S., *Asst. Agron.***Soybeans, Cowpeas, and Miscellaneous Legumes.**William J. Morse, B. S., *Sr. Agron.***Alfalfa, Silage, and Turf Grasses.**Harvey L. Westover, B. S., *Sr. Agron.***Vetches, Bur Clovers, and Crotalaris.**Roland McKee, B. S., M. S., *Sr. Agron.* (assists also in Green Manure and Cover Crop Investigations).**Mellilotus (Sweet Clover) and Crimson Clover.**Leonard W. Kephart, B. S., *Sr. Agron.***Arlington Farm Grass Garden and Greenhouse Work.**Percy L. Ricker, B. S. M. S., *Asst. Bot.***Seed Storage and Shipment.**Fred C. Hall, *Sr. Sci. Aid.***Field Stations.****Maryland—Beltsville:**Herbert L. Wilkins, B. S., M. S., *Asst. Chem., (Pasture Inves.).***South Dakota—Redfield:**Samuel Garver, B. S., *Assoc. Agron., in charge.***Virginia—Rosslyn:**Charles W. Lee, *Sci. Aid, Asst. in field activ.*Anselm T. Stone, *Sci. Aid, Asst. in field activ.***Field Stations (Coop.).****California—Riverside:**James L. Weimer, A. M., Ph. D., *Sr. Path. (Alfalfa diseases).***Florida—Gainesville:**Charles R. Enlow, B. S., M. S., *Asst. Agron., in charge.***Georgia—Tifton:**James L. Stephens, B. S., *Agt., in charge.***Field Stations—Continued.****Iowa—Ames:**F. Scott Wilkins, B. S., M. S., *Agt., in charge.***Kansas—Hays:**David A. Savage, B. S., *Asst. Agron., in charge.***Michigan—Augusta:**A. B. Dorrance, B. S., *Agt. in charge.***Mississippi—West Point:**Tyler F. Akeas, B. S., M. S., *Asst. Agron., in charge.***Montana—Moccasin:**Harold E. Tower, B. S., *Agt. in charge.***Nebraska—Lincoln:**Hewitt M. Tysdal, B. S., M. S., *Asst. Agron., in charge.***Ohio:****Holgate—**David Heusinkveld, B. S., M. S., *Jr. Agron., in charge.*Jackson L. Cartter, B. S., M. S., *Agt. (Soy bean inves.).***North Ridgeville—**Morgan W. Evans, B. S., M. S., *Assoc. Agron., in charge.***Oregon—Corvallis:**Harry A. Schoth, B. S., M. S., *Assoc. Agron., in charge.***Pennsylvania—Kylertown:**Guy C. Fuller, B. S., *Agt., in charge.***South Carolina—Columbia:**Addison S. Laird, B. S., M. S., *Agt., in charge.***Texas—Chillicothe:**Joseph C. Stephens, B. S., M. S., *Asst. Agron., in charge.***Washington—Pullman:**Oscar E. Barbee, B. S., M. S., *Agt., in charge.***Wisconsin—Madison:**Fred R. Jones, B. S., Ph. D., *Sr. Path. (alfalfa and other forage plant diseases).***FOREIGN PLANT INTRODUCTION**Knowles A. Ryerson, B. S., M. S., *Prin. Hort., in charge.*B. Y. Morrison, B. S., M. L. A., *Sr. Hort.***Foreign Explorations.**David Fairchild, M. S., D. Sc., *Prin. Agr. Expl.*P. H. Dorsett, B. Agr. *Sr. Hort.*W. E. Whitehouse, B. S., M. S., Ph. D., *Agr.***FIELD HEADQUARTERS:****China—Yunnan:**Joseph F. Rock, *Collab.***France—Nice:**A. Robertson Proschowsky, M. D., *Collab.***New York—New York:**A. V. Armour, *Collab.***Experimenters' Service.**B. T. Galloway, B. Agr. Sc., LL. D., D., *Agr., Prin. Path.*H. C. Skeels, B. S., *Assoc. Bot.*W. R. Poore, *Foreman Gardener.*J. E. Taylor, *Sci. Aid.*E. C. Rittue, *Head Gardener.*Mabel Yates*, *Asst. Sci. Aid.***FIELD HEADQUARTERS:****California—Chico:**J. E. Morrow, *Supt.*B. D. Douglas, *Sr. Pl. Prop.*

Experimenters' Service—Continued.**FIELD HEADQUARTERS—Continued.****California—Chico—Continued.**C. H. Jackson, *Sr. Pl. Prop.*Henry Klopfer, *Sr. Sci. Aid.*D. M. Wallen, *Jr. Sci. Aid.***Florida:****Coconut Grove—**Edward Simmonds, *Prin. Sci. Aid.***Little River—**Charles T. Simpson, *Collab.***Naples—**H. Nehrling, *Collab.***Georgia—Savannah:**R. A. Young, B. S., *Assoc. Hort., Supt.*David A. Bisset, *Chief Sci. Aid.***Maryland—Glenn Dale:**H. A. Gunning, B. S., *Assoc. Hort., Supt.*C. C. Thomas, A. B., M. S., *Hort.*Edward Goucher, *Chief Pl. Prop.*A. W. Close, *Prin. Sci. Aid.*V. M. Maroukian, *Head Gardener.*C. A. Fitzgerald, *Asst. Sci. Aid.***Massachusetts—Jamaica Plain:**E. H. Wilson, A. M., *Collab.***Plant Geography in Relation to Plant Industry.**Paul G. Russell, B. A., M. S., *Asst. Bot.***FOREST PATHOLOGY**Haven Metcalf, A. M., Ph. D., *Prin. Path., in charge.*R. Kent Beattie, B. S., M. A., *Prin. Path.*Carl Hartley, A. M., Ph. D., *Prin. Path.*G. F. Gravatt, B. S., M. S., *Sr. Path.*Annie Gravatt,* A. B., M. S., *Assoc. Path.*Ruby J. Acree,* *Jr. Path.*Lyle W. R. Jackson, B. S., *Jr. Path.*Russell B. Clapper, *Asst. Sci. Aid.*Marvin E. Fowler, A. B., *Asst. Sci. Aid.***FIELD HEADQUARTERS:****California—San Francisco:**E. P. Meinecke, Ph. D., *Prin. Path.*Willis W. Wagener, A. B., M. S., *Path.*Ernest Wright, B. F., M. S., *Jr. Path.***Connecticut—New Haven:**Rush P. Marshall, M. S., Ph. D., *Assoc. Path.***Louisiana—New Orleans:**Paul V. Siggers, B. S., M. S., *Assoc. Path.*Ralph M. Lindgren, B. S., M. S., *Asst. Path.***Massachusetts—Amherst:**Perley Spaulding, M. S., Ph. D., *Sr. Path.*J. R. Hansbrough, Ph. B., A. M., *Asst. Path.***New Mexico—Albuquerque:**W. H. Long, A. M., Ph. D., *Sr. Path.***Bessie E. Etter, *Sci. Aid.*****North Carolina—Asheville:**R. M. Nelson, B. S., M. S., *Asst. Path.***Oregon—Portland:**H. G. Lachmund, A. B., *Path.*J. L. Meilke, B. F., *Jr. Path.*C. N. Partington, B. S., *Jr. Path.***Rhode Island—Providence:**J. Franklin Collins, Ph. B., *Sr. Path.*Nathaniel O. Howard, M. S., Ph. D., *Path.*Alma M. Waterman, A. M., Ph. D., *Asst. Path.***FIELD HEADQUARTERS—Continued.****Scotland—Edinburgh:**Glenn G. Hahn, M. S., *Path.*Malcolm Wilson, B. S., D. Sc., *Spec. in For. Path.***Wisconsin—Madison:**C. Audrey Richards, A. M., Ph. D., *Assoc. Path.*Caroline T. Rumbold, B. L., A. M., Ph. D., *Asst. Path.*E. E. Seeliger, *Jr. Sci. Aid.***GARDENS AND GROUNDS**J. Wise Byrnes, *Asst., in charge.***HORTICULTURAL CROPS AND DISEASES**Eugene C. Auchter, B. S., M. S., Ph. D., *Prin. Hort., in charge.***Horticulture.**Regional Development of Horticulture Industry,
L. C. Corbett, B. S., M. S., D. Agr., *Prin. Hort.***(1) Fruit and Nut Production Investigations.**H. P. Gould, B. S., M. S., *Sr. Pomol.*George C. Husmann, B. S., M. S., *Pomol. (grape inv.).*Guy E. Yerkes, B. S., *Hort. (nursery stock inv.).*Clarence A. Reed, B. S., M. H., *Assoc. Pomol. (nut culture inv.).*E. R. Lake, B. S., M. S., *Asst. Pomol. (nut culture inv.).*I. W. Dix, *Sci. Aid (grape inv.).***FIELD HEADQUARTERS.****California:****Fresno—**Elme Snyder, B. S., M. S., *Assoc. Pomol. (grape inv.).***Napa—**Frederick L. Husmann, *Supt. (grape inv.).***Palo Alto—**William F. Wight, B. S., A. M., *Bot. (fruit breeding).*Lester A. Thompson, *Sr. Agr. Aid (fruit breeding).***Sacramento—**C. F. Kinman, B. S., *Pomol. (fruit production inv.).*Milo N. Wood, B. S., M. S., *Pomol. (nut culture inv.).***Shafter—**L. B. Scott, B. S., *Sr. Pomol. (nursery stock inv.).***Georgia—Albany:**J. L. Pelham, B. S., *Assoc. Pomol. (nut culture inv.).***Louisiana—Shreveport:**B. G. Sitton, B. S., M. S., *Assoc. Pomol. (nut culture inv.).***Maryland—Glenn Dale:**George M. Darrow, A. B., A. M., Ph. D., *Sr. Pomol. (small fruits).*George F. Waldo, B. S., M. S., *Asst. Pomol. (small fruits).*Charles F. Swingle, B. S., Ph. D., *Asst. Pomol. (nursery stock inv.).*

Horticulture—Continued.

- (1) Fruit and Nut Production Investigations—Continued.

FIELD HEADQUARTERS—Continued.

North Carolina—Willard:

Charles T. Dearing, B. S., *Assoc. Hort.*
(*grape inv.*).

- (2) Truck Crop Production Investigations.

Victor R. Boswell, B. S., M. S., Ph. D.,
Sr. Hort.

Frederick J. Pritchard, B. S., *Sr. Physiol.*
(*vegetable breeding*).

William R. Beattie, B. S., M. S., *Sr. Hort.*
(*vegetable extension*).

D. N. Shoemaker, B. S., Ph. D., *Hort.*

J. H. Beattie, B. S., *Assoc. Hort.*

Ross C. Thompson, B. S., M. S., *Assoc.*
Hort.

William S. Porte, B. S., *Asst. Path.* (*vegetable breeding*).

A. M. Jackson, *Sci. Aid.*

E. Q. Knight, *Asst. Sci. Aid.*

- (3) Floriculture and Landscape Gardening Investigations.

F. L. Mulford, B. S. in Agr., *Assoc. Hort.*

D. V. Lumsden, B. S., *Jr. Hort.*

FIELD HEADQUARTERS.

Maryland—Glenn Dale:

B. Y. Morrison, B. S., M. L. A., *Sr.*
Hort.

- (4) Bulb Culture Investigations.

David Griffiths, B. S., M. S., Ph. D., *Sr.*
Hort.

FIELD HEADQUARTERS.

Washington—Bellingham:

B. L. Peters, *Sr. Sci. Aid.*

Howard A. Houser, *Sci. Aid.*

- (5) Fruit Improvement through Bud Selection (field).

California—Riverside:

A. D. Shamel, B. S., *Prin. Physiol.*

C. S. Pomeroy, Ph. B., B. S., *Assoc.*
Pomol.

R. E. Caryl, B. S., M. S., *Asst. Pomol.*

Frank N. Harmon, B. S., M. S., *Jr.*
Pomol.

- (6) Fruit and Vegetable Utilization.

J. S. Caldwell, A. B., A. M., Ph. D., *Sr.*
Physiol.

C. A. Magoon, A. B., Ph. D., *Bact.*

FIELD HEADQUARTERS.

Virginia—Rosslyn (Arlington Exp. Farm):

C. W. Culpepper, B. S., M. S., *Physiol.*

B. C. Brunstetter, B. S., M. S., Ph. D.,
Assoc. Biochem.

H. H. Moon, B. S., *Jr. Pomol.*

- (7) Fruit and Vegetable Handling, Transportation, and Storage Investigations.

L. A. Hawkins, B. S., Ph. D., *Prin. Physiol.*

Dean H. Rose, A. B., M. A., Ph. D, *Sr.*
Physiol.

R. C. Wright, B. S., M. S., *Physiol.*

Mark H. Haller, B. S., M. S., *Asst. Pomol.*

F. T. Eagan, B. S., *Sci. Aid.*

A. F. Wahlstrom, *Draftsman.*

Horticulture—Continued.

- (7) Fruit and Vegetable Handling, Transportation, and Storage Investigations—Continued.

FIELD HEADQUARTERS.

California:

Lamanda Park—

Wm. R. Barger, B. S., *Assoc. Physiol.*

J. C. Moore, B. S., M. S., *Jr. Physiol.*

James C. Gray, Jr., B. S., *Jr. Hort.*

Los Angeles—

C. W. Mann, B. S., *Sr. Pomol.*

Fresno—

W. T. Penzter, B. S., M. S., *Asst.*
Physiol.

C. E. Asbury, B. S., M. S., *Jr. Pomol.*

Virginia—Rosslyn (Arlington Exp. Farm):

Earl D. Mallison, B. S., *Asst. Mkt.*
Spec.

W. W. Aldrich, B. S., M. S., *Asst.*
Physiol.

W. C. Cooper, B. S., *Field Asst.*

T. M. Whiteman, B. S. *Jr. Hort.*

A. G. Galloway, *Prin. Sci. Aid.*

E. A. Gorman, *Sci. Aid.*

R. L. Newton, *Sr. Mech.*

J. F. Fernald, *Asst. Mech.*

Washington:

Wenatchee—

H. C. Diehl, B. S., *Assoc. Physiol.*

B. D. Ezell, B. S., M. S., *Asst. Hort.*

Yakima—

A. L. Ryall, B. S., M. S., *Jr. Pomol.*

J. M. Lutz, B. S., *Jr. Physiol.*

- (8) Potato Investigations.

William Stuart, B. S., M. S., D. Sc., *Sr.*
Hort.

Charles F. Clark, B. S., M. S., Ph. D.,
Assoc. Hort.

W. M. Peacock, B. S., M. S., *Assoc. Hort.*

FIELD HEADQUARTERS.

Colorado—Greeley:

W. C. Edmundson, B. S., M. S., *Hort.*
and Supt.

Maine—Presque Isle:

P. M. Lombard, B. S., *Assoc. Hort.*

Crop Physiology and Breeding.

Walter T. Swingle, B. S., M. A., D. Sc., *Prin.*
Physiol.

T. Ralph Robinson, B. S., A. M., *Sr. Physiol.*
(*citrus breeding and life history studies*).

Eugene May, Jr., *Prin. Sci. Aid* (*citrus breeding and life history studies*).

Allan F. Dameron, *Asst. Photographer* (*citrus breeding and life history studies*).

FIELD HEADQUARTERS.

Arizona—Sacaton:

Robert H. Peebles, *Sr. Sci. Aid* (*date inv.*)

California:

Berkeley (Univ. of California)—

M. J. Haggerty, *Translator of Chinese*
(*citrus breeding and life history studies*).

Indio—

Silas C. Mason, M. S., D. Sc., *Sr. Hort.*
(*date inv.*).

Crop Physiology and Breeding—Continued.**FIELD HEADQUARTERS—Continued.****California—Continued.****Indio—Continued.**A. J. Shamblyn, *Assoc. Hort. (date inv.)*.Roy W. Nixon, B. S., *Asst. Hort. (date inv.)*.Dewey C. Moore, *Ass.. Sci. Aid (date inv.)*.**Los Angeles—**F. A. Thackery, D. Sc., *Sr. Agr. (date inv.)*.**San Francisco—**G. P. Rixford, C. E., *Assoc. Physiol. (Smyrna fig and pistache inv.)*.**Florida—Eustis:**E. M. Savage, *Asst. Pl. Breeder (citrus breeding and life history studies)*.**Maryland—Bethesda:**Robert J. Bullen, *Sr. Sci. Aid (citrus breeding and life history studies)*.**Fruit and Nut Diseases.**Merton B. Waite, B. S., D. Agr., *Prin. Path.*Charles Brooks, A. M., Ph. D., *Prin. Path. (fruit rots and spots inv.)*.C. L. Shear, B. S., A. M., Ph. D., *Prin. Path. (grape and small fruit disease inv.)*.Harry R. Fulton, A. M., *Sr. Path. (citrus and subtropical fruit disease inv.)*.Neil E. Stevens, A. M., Ph. D., *Sr. Path. (grape and small fruit disease inv.)*.H. F. Bain, B. A., M. S., *Sr. Path. (grape and small fruit disease inv.)*.John W. Roberts, A. M., Ph. D., *Sr. Path. (orchard spraying inv.)*.J. Marion Shull, *Assoc. Bot. (general orchard disease inv.)*.Eugene A. Siegler, M. S., *Assoc. Path. (general orchard disease inv.)*.John J. Bowman, M. S., *Asst. Path. (citrus and subtropical fruit disease inv.)*.Erston V. Miller, B. S., M. S., Ph. D. *Asst. Physiol. (fruit rots and spots inv.)*.Angie M. Beckwith, A. B., Jr. *Path. (grape and small fruit disease inv.)*.Mary F. Morscher, B. S., *Sr. Sci. Aid (general orchard disease inv.)*.Marguerite S. Wilcox, *Sc. Aid (grape and small fruit disease inv.)*.**FIELD HEADQUARTERS.****Arkansas—Fayetteville:**John C. Dunegan, B. S., *Assoc. Path. (orchard spraying inv.)*.**California—Fresno:**W. S. Ballard, A. B., *Sr. Path. (physiological fruit disease inv.)*.**Florida—Orlando:**Harold E. Stevens, B. S. A., M. S., *Sr. Path. (citrus and subtropical fruit disease inv.)*.John F. Wooten, *Sr. Sci. Aid (citrus and subtropical fruit disease inv.)*.**Georgia:****Fort Valley—**Lee M. Hutchins, B. S., Ph. D., *Path. (general orchard disease inv.—peaches)*.**Thomasville—**Juan B. Demaree, B. S., *Path. (general orchard disease inv.—nuts)*.Howard E. Parson, B. S., M. S., Jr. *Path. (general orchard disease inv.—nuts)*.**Fruit and Nut Diseases—Continued.****FIELD HEADQUARTERS—Continued.****Indiana—Vincennes:**Leslie Pierce, *Sr. Sci. Aid (orchard spraying inv.)*.**Louisiana—Lafayette:**John R. Cole, M. S., *Assoc. Path. (general orchard disease inv.)*.**New Jersey—Toms River:**H. F. Bergman, B. S., M. S., Ph. D., *Sr. Path. (grape and small fruit disease inv.)*.R. B. Wilcox, M. S., *Asst. Path. (grape and small fruit disease inv.)*.**New York—New York:**Lowell F. Butler, B. S., *Assoc. Path. (mkt. path. inv.)*.Cyril O. Bratley, B. S., *Asst. Path. (mkt. path. inv.)*.**Oregon—Hood River:**J. S. Cooley, M. S., Ph. D., *Sr. Path. (perennial apple canker inv.)*.Paul W. Miller, B. S., M. S., Ph. D., *Agent (perennial apple canker inv.)*.**Virginia—Rosslyn (Arlington Exp. Farm):**Ralph B. Piper, *Asst. Sci. Aid (general orchard disease inv.)*.**Washington—Wenatchee:**D. F. Fisher, B. S., M. H., *Sr. Path. (fruit rots and spots inv.)*.C. P. Harley, M. S., *Assoc. Physiol. (fruit rots and spots inv.)*.Marion C. Goldsworthy, B. S., M. S., Ph. D., *Asst. Path. (fruit rots and spots inv.)*.Enoch L. Reeves, B. S., Jr. *Path. (fruit rots and spots inv.)*.**Vegetable and Ornamental Diseases.**Leonard L. Harter, A. B., M. S., Ph. D., *Sr. Path. (sweet potato and bean diseases)*.William W. Gilbert, B. S., M. S., *Sr. Path. (cucurbit diseases)*.John I. Lauritzen, B. S., Ph. D., *Path. (storage disease of vegetables, and market pathology)*.Freeman Weiss, B. S., Ph. D., *Path. (diseases of potatoes, bulbs, and ornamentals)*.Charles Drechsler, B. S., M. S., Ph. D., *Path. (taxonomy of fungi)*.Lucia McCulloch, B. S., *Assoc. Path. (diseases of bulbs and ornamentals)*.William J. Zaumeyer, B. S., M. S., Ph. D., *Asst. Path. (bean diseases)*.W. A. Whitney, B. S., Jr. *Path. (sweet potato and bean diseases)*.Ellen A. Fenner, A. B., Jr. *Path. (diseases of ornamentals)*.Ernest Dopp, B. A., M. A., Jr. *Path. (cucurbit diseases)*.Lester E. Barrett, LL. B., LL. M., M. P. L., *Sci. Aid (culture media preparation)*.C. Fred Andrus, *Asst. Sci. Aid (sweet potato diseases)*.Edgar L. Evinger, B. S., M. S., *Asst. Sci. Aid (diseases of ornamentals)*.Lacy McCulloch, *Asst. Sci. Aid (storage diseases of vegetables)*.

Vegetable and Ornamental Diseases—Continued.**FIELD HEADQUARTERS.****California:****Chula Vista—**

Ivan C. Jagger, B. S., M. S., *Sr. Path.*
(*lettuce and other vegetable crop diseases*).

Norman Chandler, B. S., *Ass. Sci. Aid*
(*lettuce and other vegetable crop diseases*).

Riverside—

Michael Shapovalov, A. B., M. S., *Sr. Path.*
(*tomato diseases*).

F. Sidney Beecher, *Sci. Aid (tomato diseases)*.

Colorado:**Greeley—**

Howard G. MacMillan, Ph. B., M. S.,
Ph. D., *Sr. Path. (potato diseases)*.

Lawrence A. Schaal, B. S., M. S., *Ass.*
Path. (potato diseases).

Idaho—Twin Falls:

W. W. Tracy, B. S., *Assoc. Hort.* (*curly top disease of vegetables*).

Illinois—Chicago:

Glen B. Ramsay, A. B., A. M., Ph. D., *Sr.*
Path. (market pathology).

Alice A. Bailey*, B. S., M. S., *Asst. Path.*
(*market pathology*).

Maine—Presque Isle:

Eugene S. Shultz, B. S., M. S., Ph. D., *Sr.*
Path. (potato diseases and curly top of vegetables).

Walter P. Raleigh, B. S., Ph. D., *Agent*
(*potato diseases*).

Oregon—Corvallis:

Marion B. McKay, B. S., M. S., *Agt. (diseases of bulbs, potato diseases, and curly top diseases of vegetables)*.

Philip Brierley, A. B., M. S., *Asst. Path.*
(*diseases of bulbs and ornamentals*).

Theodore P. Dykstra, B. S., M. S., *Asst. Path.* (*potato diseases*).

Horace A. Millsap, *Agent (diseases of bulbs and ornamentals)*.

Wisconsin—Madison:

John C. Walker, B. S., M. S., Ph. D., *Agent*
(*onion and cabbage diseases*).

Sears P. Doolittle, B. S., M. S., Ph. D., *Sr.*
Path. (mosaic diseases of vegetables).

Arthur C. Foster, B. S., M. S., *Sr. Path.*
(*celery, lettuce, and endive diseases*).

Lester M. Blank, B. S., M. S., *Agent (onion and cabbage diseases)*.

Gustav H. Rieman, B. S., *Agent (bean diseases)*.

Plant Physiology.

Frank L. Goll, *Sr. Physiol.*

H. Hasselbring, Ph. D., *Physiol.*

S. L. Jodidi, B. S., Ph. D., *Assoc. Biochem.*

K. S. Markley, B. S., M. S., Ph. D., *Assoc. Biochem.*

Pathological Laboratory.

Nellie A. Brown, A. B., *Assoc. Path.*

Mary K. Bryan, A. B., *Assoc. Path.*

Florence Hedges, A. B., *Assoc. Path.*

Pathological Laboratory—Continued.

Lillian C. Cash, A. B., *Jr. Path.*

Edna H. Fawcett, B. L., *Jr. Path.*

Helen F. Smart*, A. B., *Jr. Path.*

Agnes J. Quirk, *Sr. Sci. Aid.*

MYCOLOGY AND DISEASE SURVEY

Cornelius L. Shear, B. S., A. M., Ph. D., *Prin. Path., in charge.*

Mycological Collections.

John A. Stevenson, B. S., *Sr. Mycol., in charge.*

Vera K. Charles, A. B., *Assoc. Path.*

William W. Diehl, M. S., *Assoc. Path.*

Anna E. Jenkins, B. S., M. S., Ph. D., *Assoc. Path.*

Edmund B. Lambert, B. S., M. S., Ph. D., *Asst. Path.*

Edith K. Cash, A. B., *Jr. Path.*

Ross W. Davidson, Sc. B., *Jr. Mycol.*

Harriet M. Daly, *Asst. Sci. Aid.*

Olivia Lawrence, *Asst. Sci. Aid.*

Morfydd Evans, *Jr. Lib. Asst.*

Josie T. Browne, *Jr. Sci. Aid.*

Leston R. Fate, B. S., *Jr. Sci. Aid.*

Plant Disease Survey.

Royal J. Haskell, B. S., Ph. D., *Path., in charge.*

William A. Archer, B. S., Ph. D., *Asst. Path.*

G. Hamilton Martin, jr., B. S. F., M. S., *Asst. Path.*

Jessie I. Wood, A. B., A. M., *Asst. Path.*

NEMATOLOGY

N. A. Cobb, B. S., Ph. D., *Prin. Nematol., in charge.*

Free-Living, Plant-Infesting, and Insect-Infesting**Nemas; Mycorrhizal Investigations.**

G. Steiner, B. S., M. A., Ph. D., *Sr. Nematol.*

E. G. Arzberger, Ph. B., M. A., *Asst. Path.*

Edna M. Buhner, A. B., *Jr. Nematol.*

Ben G. Chitwood, A. B., *Jr. Nematol.*

Corinne Cooper, A. B., *Jr. Nematol.*

Helen H. Swanger, A. B., *Jr. Nematol.*

Grace W. Sherman, A. B., *Jr. Nematol.*

Charles B. Bateman, *Sr. Lab. Mech.*

Martin L. Harrison, *Sr. Lab. Mech.*

Florence E. Albin*, *Jr. Sci. Aid.*

Cirella A. Brooks*, *Jr. Sci. Aid.*

Margaret N. Corder, *Jr. Sci. Aid.*

Josephine F. Danforth*, *Sci. Illustr.*

Eunice R. Harveycutt*, *Jr. Sci. Aid.*

Gertrude L. Power, *Jr. Sci. Aid.*

FIELD HEADQUARTERS:**Utah—Salt Lake City:**

Gerald Thorne, B. S., M. A., *Assoc. Nematol.*

Virginia—East Falls Church:

J. R. Christie, B. S., M. S., *Assoc. Nematol.*

PHONY PEACH ERADICATION

Directed by Assoc. Chief of Bureau.

FIELD HEADQUARTERS:**Georgia—Fort Valley:**

William F. Turner, *Agent.*

Blish Breland, *Agent.*

FIELD HEADQUARTERS—Continued.

Georgia—Fort Valley—Continued.
 William D. Murray, *Agent*.
 Paul W. Chapman, *Agent*.
 Joseph T. Stewart, *Agent*.
 Dewey L. Varmette, *Prin. Sci. Aid*.

SEED LABORATORY

Edgar Brown, Ph. B., *Prin. Bot., in charge*.

Seed testing.

Emma F. Sirrine, M. S., *Assoc. Bot*.
 Leatha D. Bunting, A. B., A. M., *Jr. Bot*.
 C. Christine Thygeson, B. S., *Jr. Bot*.
 Nelle B. Wilkinson, Ph. B., *Jr. Bot*.
 Albina F. Musill, A. B., *Jr. Bot*.

Seed Purity and Vitality Investigations.

Eben H. Toole, A. M., Ph. D., *Assoc. Physiol*.
 F. H. Hillman, M. S., *Assoc. Bot*.
 Helen H. Henry, *Asst. Bot*.
 Alice M. Andersen, B. M., A. M., *Jr. Physiol*.

Federal Seed Act.

Willard L. Goss, B. S., LL. B., *Assoc. Bot*.
 Emma F. Sirrine, M. S., *Assoc. Bot*.
 Alma L. Eggleston,* B. S., *Jr. Bot*.
 Mildred E. Lyon, B. S., M. S., *Jr. Bot*.

Field Laboratories.

California—Sacramento:
 Grace M. Cole, A. B., *Asst. Bot*.
 Indiana—Lafayette:
 Regina B. Schulte, A. B., *Asst. Bot*.
 Missouri—Columbia:
 Clara Fuhr, M. S., *Jr. Bot*.
 Oregon—Corvallis:
 Bertha C. Hite, A. B., *Asst. Bot*.

SUGAR PLANTS

E. W. Brandes, M. S., Ph. D., *Prin. Path., in charge*.
 S. F. Sherwood, B. S., *Sr. Biochem*.
 Ernst Artschwager, B. S., Ph. D., *Assoc. Path*.
 Ruth C. Starrett,* M. A., *Asst. Cytol*.
 James F. Brewer, *Chief Sci. Illustr*.

Sugar-Beet Investigations.

G. H. Coons, A. M., Ph. D., *Prin. Path*.
 (1) Sugar-Beet Pathology.
 G. H. Coons, A. M., Ph. D., *Prin. Path*.
 (2) Sugar-Beet Agronomy.
 A. W. Skuderna, B. S., *Prin. Agron*.
 (3) Curly-Top investigations.
 Eubanks Carsner, B. A., M. S., Ph. D., *Sr. Path*.

FIELD HEADQUARTERS.

California—Riverside:
 Eubanks Carsner, B. A., M. S., Ph. D., *Sr. Path*.
 C. W. Bennett, M. S., Ph. D., *Path*.
 Charles Price, B. S., *Assoc. Agron*.
 C. F. Lackey, B. S., *Jr. Path*.
 Colorado:
 Fort Collins—
 Dewey Stewart, M. S., *Assoc. Path*.
 Charles A. Lavis, B. S., *Agent*.
 Rocky Ford—
 F. G. Larnier, B. S., M. S., *Asst. Path*.

Sugar-Beet Investigations.—Continued.

(3) Curly-Top investigations—Continued.

FIELD HEADQUARTERS—Continued.

Idaho—Twin Falls:

R. L. Piemeisel, A. B., *Physiol*.
 C. E. Corman, B. S., M. S., *Assoc. Agron*.
 J. M. Wallace, M. S., Ph. D., *Assoc. Path*.

Michigan—East Lansing:

J. G. Lill, M. S., *Assoc. Agron*.
 E. E. Down, B. S., M. A., *Agent*.
 H. L. Kohls, M. S., *Agent*.

New Mexico—State College:

H. A. Elcock, M. S., *Asst. Path*.
 John C. Overpeck, M. S., *Agent*.

Utah:

Logan—
 C. M. Tompkins, B. S., Ph. D., *Asst. Path*.
 Wesley Keller, B. S., *Agent*.

Salt Lake City—

D. A. Pack, A. B., Ph. D., *Assoc. Agron*.
 S. B. Nuckols, B. S., A. M., *Assoc. Agron*.
 F. A. Abegg, B. S., M. S., Ph. D., *Asst. Path*.

Sugarcane Investigations.

S. F. Sherwood, B. S., *Sr. Biochem., in charge*.

(1) Sugarcane Pathology.

R. D. Rands, M. S., Ph. D., *Sr. Path*.

(2) Sugarcane Agronomy.

George Arceneaux, B. S., *Agent*.

(3) Sirup Investigations.

P. A. Yoder, A. M., Ph. D., *Assoc. Tech*.

FIELD HEADQUARTERS.

Florida—Canal Point:

G. B. Sartoris, M. S., Ph. D., *Assoc. Path*.
 ———, *Asst. Path*.
 C. P. Sheffield, *Agent*.

Georgia—Cairo:

P. A. Yoder, A. M., Ph., *Assoc. Tech*.
 B. A. Belcher, B. S., *Agent*.

Louisiana—Houma:

George Arceneaux, B. S., *Agent*.
 F. D. Stevens, M. S., *Assoc. Agron*.
 R. T. Gibbens, B. S., *Agent*.

Virginia—Rosslyn (Arlington Exp. Farm):

H. B. Cowgill, A. B., M. S. A., *Asst. Agron*.

TOBACCO AND PLANT NUTRITION

W. W. Garner, A. B., Ph. D., *Prin., Physiol. in charge*.

Cigar Filler Production Investigation (Field).

New York—Baldwinsville:

G. W. Harris, *Prin. Sci. Aid*.

Pennsylvania—Ephrata:

Otto Olson, *Assoc. Agron*.

Flue-Cured Tobacco Production Investigations (Field).

Georgia—Tifton:

J. M. Carr, B. S., *Agt*.

Fine-Cured Tobacco Production Investigations—Continued.

North Carolina:

Oxford—

E. G. Moss, B. S., *Sr. Agron.*

Rocky Mount—

J. P. Young, *Sci. Aid.***Burley Tobacco Production Investigations (Field).**

Tennessee—Knoxville:

H. W. Jones, *Agt.*

West Virginia—Lakin:

T. C. Mellvaine, M. S., Ph. D., *Agt.***Maryland Tobacco Production Investigations (Field).**

Maryland—Upper Marlboro:

D. E. Brown, *Prin. Sci. Aid.***Dark Air-Cured Tobacco Production Investigations (Field).**

Virginia—Bowling Green:

W. W. Green, *Agt.***Tobacco-Disease Investigations (Field).**

Georgia—Tifton:

—, *Agt.*

Massachusetts—Amherst:

—, *Agt.*

Wisconsin—Madison:

James Johnson, M. S., Ph. D., *Agt.***Physiology and Nutrition of the Tobacco Plant.**W. M. Lunn, M. S., *Assoc. Agron.*J. E. McMurtrey, jr., B. S., M. S., *Assoc. Physiol.*J. D. Bowling, jr., B. S., *Asst. Biochem.***Effect of Length of Day on Plant Growth.**H. A. Allard, B. S., *Sr. Physiol.*C. W. Bacon, A. M., Ph. D., *Assoc. Physiol.*R. A. Steinberg, B. S., M. A., Ph. D., *Asst. Physiol.***FIELD HEADQUARTERS.**

Virginia—Rosslyn (Arlington Exp. Farm):

A. B. Creed, *Sci. Aid.***WESTERN IRRIGATION AGRICULTURE**C. S. Scofield, B. Agr., *Prin. Agr., in charge.*S. H. Hastings, *Sr. Agron.***FIELD HEADQUARTERS.**

Arizona—Tucson:

J. F. Breazeale, B. S., *Sr. Biochem.*

California—Bard (U. S. Yuma Field Station):

E. G. Noble, B. S., *Assoc. Agron., Farm Supt.*Arthur T. Bartel, B. S. Jr. *Agron.*

Riverside (Rubidoux Laboratory):

Frank M. Eaton, M. S., Ph. D., *Assoc. Physiol.*George Y. Blair, B. S., Jr. *Pomol.*

Santa Paula (Limoneira Laboratory):

L. V. Wilcox, A. B., *Assoc. Agron.*Cruz Venstrom, B. S., *Sci. Aid.*Francis C. Scofield, *Sci. Aid.*George B. Collins, *Sci. Aid.*

Montana—Huntley:

Daniel Hansen, *Assoc. Agron., Farm Supt.*Norman E. Lambert, *Chief Sci. Aid.*

Nebraska—Mitchell:

J. A. Holden, B. S., *Assoc. Agron., Farm Supt.*

Nevada—Fallon:

Elmer W. Knight, B. S., *Asst. Agron., Farm Supt.*

Oregon—Hermiston:

H. K. Dean, B. S., *Assoc. Agron., Farm Supt.*

South Dakota—Newell:

Beyer Aune, B. Agr., *Assoc. Agron., Farm Sup'.*

Texas—San Antonio:

George T. Ratliffe, B. S., *Assoc. Agron., Farm Supt.*Irvin M. Atkins, B. S., Jr. *Pomol.*

Washington—Prosser:

Coulson C. Wright, B. S., *Asst. Agron.***FOREST SERVICE**Robert Y. Stuart, A. B., A. M., M. F., *For.*Edward A. Sherman, B. S., M. F., D. Sc., *Assoc. For.***BRANCH OF FINANCE AND ACCOUNTS**H. I. Loving, *Chief.*O. A. Zimmerli, *Assistant (Claims).*J. H. Kerriek, *Accounting.*L. T. Mahurin, *Costs.*Jennie E. Malcolm*, *Audit.*Blanche A. Judson, *Personnel Clerk.***BRANCH OF OPERATION**Roy Headley, *Asst. For., in charge.*E. W. Loveridge, B. S., *Insp.*Henry Wold, *Admin. Asst.*G. G. Anderson, *Exec. Asst.*G. M. Randal, *Chief of Maintenance.***Supply Depot, Ogden, Utah.**Frank Haynie, *Supply Officer.***BRANCH OF FOREST MANAGEMENT**E. E. Carter, A. B., M. F., *Asst. For., in charge.*J. A. Fitzwater, M. F., *For. Insp.***BRANCH OF GRAZING**C. E. Rachford, *Asst. For., in charge.*Robert R. Hill, A. B., *Insp. of Grazing.***BRANCH OF LANDS**L. F. Kneipp, *Asst. For., in charge.*D. F. McGowan, LL. B., *Insp. of Lands.*C. H. Squire, A. B., *Insp. of Lands.*J. E. Burch, *Asst. in Acquisition.***BRANCH OF RESEARCH**Earle H. Clapp, A. B., D. Sc., *Asst. For., in charge.*R. E. Marsh, B. S., M. F., *Asst. Chief.*Harry Irion, LL. B., *Admin. Asst.*Clarke F. Hunn, B. A., *Ed.***Forest Products.**H. S. Betts, M. E., *Engr., in charge.*W. D. Brush, B. S., A. M., *Scientific Asst.*R. K. Helphenstine, jr., *Stat.*

Forest Experiment Stations.

Edward N. Munns, B. S., M. S., F., *Silv.*, in charge.
 F. H. Eyre, B. S., *Assoc. Silv.*
 Perkins Coville, B. S., M. F., *Assoc. Silv.*
 Donald Bruce, A. B., M. F., *Silv.*
 L. H. Reincke, *Asst. Silv. (forest measurements)*.
 B. R. Lexen, B. S., M. F., *Asst. Silv.*
 V. A. Clements, B. S., M. F., *Jr. For.*
 Helen E. Stockbridge, *Lfr.*

FIELD HEADQUARTERS.

Arizona—Flagstaff (Southwestern Sta.):
 G. A. Pearson, B. S., M. A., *Silv.*
 Herman Krauch, B. S., *Assoc. Silv.*
 California—Berkeley (California Sta., in coop.
 with Univ. of Calif.):

E. I. Kotok, B. A., M. A., *Dir.*
 C. L. Hill, A. B., M. S., F., *For.*
 W. C. Lowdermilk, B. S., B. A., *Silv.*
 Charles J. Kraebel, M. F., *Silv.*
 Duncan Dunning, M. S., *Assoc. Silv.*
 A. E. Wieslander, B. A., M. F., *Assoc. Silv.*
 Hugo L. Sundling, B. S., M. F., *Assoc. Silv.*
 M. R. Brundage, B. S., *Tech. Asst.*
 H. W. Siggins, B. S., M. F., *Asst. Silv.*

Colorado—Colorado Springs (Rocky Mountain Sta.):

J. Roeser, jr., F. E., *For. Exam.*

Louisiana—New Orleans (Southern Sta.):

L. J. Demmon, B. S., M. F., *Dir.*
 B. H. Lentz, Ph. B., M. F., *Silv.*
 Roy A. Chapman, B. S., *Jr. For.*
 Lenthall Wyman, B. A., M. F., *Assoc. Silv.*
 L. J. Pessin, B. S., Ph. D., *Assoc. For. Ecol.*
 N. T. Mirov, B. S., *Asst. Silv.*
 H. G. Meginnis, B. S., *Jr. For.*
 P. O. Rudolf, B. S., M. F., *Jr. For.*
 V. L. Harper, B. S., *Jr. For.*
 A. R. Spillers, B. S., *Jr. For.*
 P. C. Wakeley, B. S., M. F., *Asst. Silv.*

J. D. Sinclair, B. S., M. S., *Asst. For. Ecol.*
 Massachusetts—Amherst (Northeast Sta.), in
 coop. with Mass. Agr. Col.):

J. S. Boyce, B. S., M. F., Ph. D., *Dir.*
 M. Westveld, B. S., M. F., *Assoc. Silv.*
 P. W. Stickel, A. B., M. S., *Asst. Silv.*
 V. S. Jensen, B. S., M. F., *Jr. For.*
 C. E. Behre, A. B., M. F., *Agt.*
 P. R. Gast, A. B., M. S., Ph. D., *Agt.*

Minnesota:

Cloquet (Cloquet Sta.), in coop. with Lake
 States Sta.—

T. Shantz Hansen, *Asst.*

St. Paul (Lakes States Sta.), in coop. with
 Univ. of Minn.—

Raphael Zon, A. B., B. S., F. E., *Dir.*
 C. G. Bates, B. S., *Sr. Silv.*
 Joseph Kittredge, jr., A. B., M. F., *Sr. Silv.*
 J. A. Mitchell, B. S., *Silv.*
 H. L. Shirley, A. B., Ph. D., *Assoc. Silv.*
 J. L. Averell, A. B., M. S., F., *Jr. For.*
 E. L. Mowat, B. S., M. F., *Jr. For.*
 H. F. Scholz, *Jr. For.*
 S. R. Gevorkiantz, B. S., M. F., *Jr. For.*
 LeRoy A. Holmberg, B. S., *Jr. For.*
 Philip McCandless, B. S., *Jr. For.*
 E. I. Roe, B. S., *Jr. For.*

Forest Experiment Stations—Continued.**FIELD HEADQUARTERS—Continued.**

Montana—Missoula (Northern Rocky Mountain Sta.):

R. H. Weidman, A. B., *Dir.*
 H. T. Gisborne, B. S. F., *Silv.*
 Robert Marshall, A. B., M. S., *Asst. Silv.*
 I. T. Haig, B. S. F., M. F., *Asst. Silv.*

North Carolina—Asheville (Appalachian Sta.):

Earl H. Frothingham, A. B., M. S. F., *Dir.*
 Clarence F. Korstian, B. S., M. F., Ph. D.,
Sr. Silv.
 Chas. R. Hursh, A. B., M. S., Ph. D., *Assoc.*
For. Ecol.

Jesse H. Buell, A. B., M. S. F., *Asst. Silv.*

Ivan H. Sims, A. B., M. F., *Jr. For.*

A. L. McKinney, A. B., M. F., *Jr. For.*

C. A. Abell, B. S., *Jr. For.*

Ohio—Columbus (Central States Sta.):

E. F. McCarthy, B. S., M. S. F., *Dir.*
 John T. Auten, B. S., M. S., Ph. D., *Silv.*
 R. K. Day, B. S., *Asst. Silv.*
 L. F. Kellogg, A. B., M. S. F., *Asst. Silv.*
 L. I. Barrett, B. S., M. F., *Jr. For.*
 John H. Hanley, B. S., *Jr. For.*

Oregon—Portland (Pacific Northwest Sta.):

T. T. Munger, B. A., M. F., *Dir.*
 Walter H. Meyer, A. B., M. F., *Assoc. Silv.*
 L. A. Isaac, B. S., F. *Assist. Silv.*
 R. E. McArdle, B. S., M. F., *Asst. Silv.*
 E. L. Kolbe, B. S., M. F., *Jr. For.*

Pennsylvania—Philadelphia (Allegheny Sta.):

R. D. Forbes, B. A., M. F., *Dir.*
 A. B. Hatch, B. S., M. F., *Jr. Range Exam.*
 G. L. Schnur, A. B., M. F., *Jr. For.*
 H. J. Lutz, B. S., M. F., *Assoc. Silv.*
 H. F. Morey, B. S., *Jr. For.*
 O. M. Wood, B. A., M. S., M. F., *Asst. Silv.*
 A. F. Hough, A. B., M. F., *Asst. Silv.*

Range Research.

William R. Chapline, B. S., *Sen. Insp. of Grazing,*
in charge.

William A. Dayton, M. A., *Pl. Ecol. (forage*
inv.).

Doris W. Hayes, M. A., *Jr. Pl. Ecol.*

FIELD HEADQUARTERS.

Arizona—Tucson (Santa Rita Range Reserve):
 Matt J. Culley, *Dir.*

Warren V. Turner, B. S., *Jr. Range Exam.*

New Mexico—Las Cruces (Jornada Range
 Reserve):

R. S. Campbell, A. B., S. M., *Acting Dir.*

R. H. Canfield, B. S. F., *Jr. Range Exam.*

Utah—Ogden (Great Basin Exp. Sta.):

Clarence L. Forsling, B. S., *Dir.*

Enoch W. Nelson, B. S., *Assoc. Range Exam.*

Economic Investigations.

R. E. Marsh, B. S., M. F., *in charge.*

W. N. Sparhawk, B. A., M. F., *Sr. For. Econ.*

R. V. Reynolds, B. S., *For. Exam.*

A. H. Pierson, B. A., *For. Exam.*

Bernard Frank, B. S., M. F., *Jr. For.*

Forest Taxation:

Fred R. Fairchild, B. A., Ph. D., *Chief For.*
Taxation Econ.

Economic Investigations—Continued.**Forest Taxation—Continued.**

- R. Clifford Hall, B. S., M. F., *Prin. For.*
 L. S. Murphy, B. S., M. F., *Sr. For. Econ.*
 P. A. Herbert, B. F., M. F., *For.*
 Danile Pingree, B. S., M. F., *Jr. For.*
 B. W. Allin, A. B., Ph. D., *Econ.*
 Martha S. Epps, B. Sc., *Asst. Econ.*

Forest Products Laboratory, Madison, Wis.

- Carlile P. Winslow, Ph. B., *Director.*
 L. F. Hawley, Ph. D., *Prin. Chem.*
 H. D. Tiemann, M. E., M. F., *Sr. Phys.*

Publication of Results:

- E. F. White, M. F., *Sr. For., in charge.*
 W. W. Weber, M. S. F., *For. Asst.*
 D. G. Coleman, B. A., *Sr. Tech. Reviewer.*
 H. H. Ketcham, E. E., *Tech. Reviewer.*
 F. J. Champion, *Asst. Tech. Writer.*
 T. J. Mosley, M. A., *Sr. Tech. Reviewer, Consultant.*

Derived Products:

- E. C. Sherrard, Ph. D., *Sr. Chem., Actg. in charge.*
 E. Bateman, Ph. B., *Sr. Chem.*
 R. H. Baechler, Ph. D., *Asst. Chem.*
 E. Beglinger, *Jr. Chem.*
 L. C. Fleck, Ph. D., *Assoc. Chem.*
 J. P. Hohf, A. B., *Jr. Chem.*
 E. F. Kurth, M. S., *Jr. Chem.*
 O. T. Quimby, B. S., *Jr. Chem.*
 G. J. Ritter, Ph. D., *Chem.*
 R. M. Seborg, B. S., *Jr. Chem.*
 A. J. Stamm, Ph. D., *Chem.*

Pulp and Paper:

- C. E. Curran, Ph. D., *Sr. Chem., Actg. in charge.*
 P. K. Baird, M. A., *Sr. Chem.*
 M. W. Bray, M. S., *Chem.*
 L. A. Carpenter, A. B., *Jr. Chem.*
 G. H. Chidester, B. S., *Asst. Engr.*
 R. H. Doughty, M. S., *Asst. Engr.*
 C. C. Heritage, B. S., *Prin. Engr., consultant.*
 W. H. Monsson, M. S., *Assoc. Chem.*
 C. E. Hrubesky, M. S., *Asst. Chem.*
 E. R. Shafer, B. S., *Assoc. Engr.*
 F. A. Simmonds, B. S., *Jr. Chem.*

Timber Mechanics:

- J. A. Newlin, B. S., *Prin. Engr., in charge.*
 L. J. Markwardt, C. E., *Sr. Engr., Asst.*
 T. A. Carlson, M. S., *Assoc. Engr.*
 J. M. Gahagan, *Asst. Engr.*
 G. E. Heck, M. S., *Engr.*
 I. B. Lanphier, C. E., *Assoc. Engr.*
 R. F. Luxford, M. S., *Assoc. Engr.*
 C. A. Plaskett, C. E., *Sr. Engr.*
 R. J. Roark, M. S., *Sr. Engr., consultant.*
 G. W. Trayer, C. E., *Sr. Engr.*
 T. R. C. Wilson, C. E., *Sr. Engr.*

Timber Physics:

- Rolf Thelen, B. S., *Sr. Engr., in charge.*
 J. S. Mathewson, M. E., *Sr. Engr., Asst.*
 L. L. DeFlon, M. S., *Asst. Wood Technol.*
 M. E. Dunlap, B. S., *Sr. Engr.*
 W. K. Loughborough, *Engr.*
 E. C. Peck, M. F., *Assoc. Wood Technol.*
 R. C. Rietz, B. A., *Asst. Engr.*
 L. V. Teesdale, *Sr. Engr.*
 O. W. Torgeson, B. S., *Assoc. Engr.*

Forest Products Laboratory, Madison, Wis.—Con.**Silvicultural Relations:**

- Arthur Koehler, B. S., *Sr. Xylotomist, in charge.*
 Eloise Gerry, Ph. D., *Sr. Microscopist.*
 M. H. Paul, M. F., *Silvi.*
 B. Y. Pillow, B. S., *Asst. Wood Technol.*
 Gertrude Griffin, *Jr. Xylotomist.*

Wood Preservation:

- George M. Hunt, B. S., *Sr. Chem., in charge.*
 T. R. Truax, M. S., *Sr. Wood Technol., Asst.*
 Don Brouse, M. S., *Asst. Engr.*
 F. L. Browne, Ph. D., *Sr. Chem.*
 L. E. Downs, B. S., *Asst. Engr.*
 C. A. Harrison, *Jr. Engr.*
 J. D. MacLean, Ph. D., *Sr. Engr.*
 R. M. Wirka, B. S., *Assoc. Engr.*

Industrial Investigations:

- Carroll V. Sweet, M. F., *Sr. Engr., in charge.*
 R. D. Garver, B. S., *Sr. For., Asst.*
 A. O. Benson, B. S., *Wood Technol.*
 J. B. Cuno, M. F., *Assoc. Wood Technol.*
 E. M. Davis, M. F., *Wood Technol.*
 R. P. A. Johnson, M. S., *Engr.*
 Raymond Miller, B. S., *Wood Technol.*
 G. C. Morbeck, M. F., *Assoc. Wood Technol.*
 Pathology (in coop. with Bur. of Pl. Ind.):
 C. Audrey Richards, A. M., Ph. D., *Asst. Path. in charge.*
 Caroline T. Rumbold, A. M., Ph. D., *Asst. Path.*

Laboratory Operation:

- A. L. Heim, B. S., *Sr. Engr., in charge.*
 C. P. Juckem, *Sr. Admin, Asst., Asst.*
 M. E. Diemer, Ph. D., *Assoc. Chem.*
 Ellen Hoffman, *Chief Libr. Asst.*
 H. W. March, Ph. D., *Consult. Special Mathematician.*
 B. L. Nelson, B. A., *Assoc. Engr.*
 Finance and Accounts:
 W. E. Thompson, A. B., *Fiscal Agt., in charge.*
 S. H. Busch, LL.B., *Dep. Fiscal Agt.*

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 G. H. Lautz, B. S. (C. E.), *Asst. Chief. Engr.*
 M. S. Wright, *Asst. Engr.*

Maps and Surveys.

- M. S. Wright, *Asst. Engr., in charge.*
 Helen B. Smith, *in charge of Wash. off. (and map reproductions).*
 J. M. Witherow, *Chief Draftsman.*
 E. S. Shipp, *Chief Photographer.*
 G. B. Bruce, *in charge of Atlas records.*

Roads.

- G. H. Lautz, B. S. (C. E.), *Asst. Chief Engr.*

Water Power.

- T. W. Norcross, B. S. (C. E.), *Chief Engr.*

BRANCH OF PUBLIC RELATIONS

- Fred Morrell, B. S., M. F., *Asst. For., in charge*
Special Assignments.
 Herbert A. Smith, B. A., Ph. D., *Asst. For.*
Cooperation with Timberland Owners.
 Austin Cary, M. A., Sc. D., *Log. Engr.*

Division of State Cooperation.

- A. B. Hastings, A. B., M. F., *For. Insp., in charge.*
 C. R. Tillotson, B. S., *Dist. For. Insp.*
 G. T. Backus, F. E., *Dist. For. Insp.*
 C. F. Evans, A. B., M. F., *Dist. For. Insp.*
 S. H. Marsh, A. B., M. F., *Dist. For. Insp.*
 E. M. Bruner, M. A., M. F., *Dist. For. Insp.*
 H. N. Wheeler, M. A., *Lecturer.*

Farm Forestry.

- W. R. Mattoon, A. B., M. F., *Ext. For.*

Division of Information.

- Ward Shepard, A. B., M. F., *For. Insp., in charge.*
 L. C. Everard, M. A., *Ed., and Asst. Chief of Div.*
 Jean Kerr, M. A., *Asst. Ed. For. Worker.*
 C. M. Ballard, *Chief of Pubs.*
 C. E. Randall, A. B., *in charge of Information for the Press.*
 H. R. Kylie, *in charge of Visual Education.*

DISTRICT 1—Northern District

Montana, northeastern Washington, northern Idaho, and northwestern South Dakota (hdqrs., Missoula, Mont.).

Evan W. Kelley, *Dist. For.*

Public Relations.

- Theodore Shoemaker, *Asst. Dist. For.*
 K. D. Swan, B. S., M. F., *Asst.*

Finance and Accounts.

- O. M. Wold, *Dist. Fiscal Agt.*
 L. Beamman, *Dep. Fiscal Agt.*

Operation.

- L. C. Stockdale, *Asst. Dist. For.*
 G. I. Porter, *Admin. Asst.*
 (1) Fire Protection.
 Howard R. Flint, *Insp.*
 John McLaren, *Insp.*
 (2) Improvements.
 D. L. Beatty, *Insp.*
 C. P. Fickes, *Insp.*
 (3) Law Enforcement.
 P. J. O'Brien, L. L. B., *Insp.*
 (4) State Cooperative Fire Protection under Clarke-McNairy Act.
 R. N. Cunningham, B. S., *Insp.*
 (5) Maintenance.
 O. O. Bradeen, *Purchasing Agt., in charge.*

Forest Management.

- Elers Koch, B. S., M. F., *Asst. Dist. For.*
 Wilfred W. White, M. S., M. S. F., *Admin. Asst.*
 (1) Logging Engineering.
 Phillip Neff, *Dist. Log. Engr.*
 Clyde S. Webb, *Log. Engr.*
 (2) Timber Surveys.
 R. J. Smith, M. S. F., *Chief of Party.*
 A. B. Bowman, B. S. F., *Asst.*
 (3) Planting (Haugan, Mont.).
 D. S. Olson, *in charge.*
 G. W. Jones, *in charge, Savenac Nursery.*
 (4) Forest Insect Investigations (Coeur d'Alene, Idaho).
 J. C. Evenden, *Ent.*
 (5) Products.
 M. Bradner, B. S. F., *in charge.*
 I. V. Anderson, B. S. F., *Asst.*
 C. N. Whitney, Ph. B., M. F., *Tech. Asst.*

Range Management.

- Glen A. Smith, *Asst. Dist. For.*
 Thomas Lommasson, *Admin. Asst.*
 H. E. Schwan, B. S., Jr., *Range Exam.*
 K. D. Flock, B. S., *Chief of Party.*

Lands.

- M. H. Wolff, Ph. B., M. F., *Asst. Dist. For.*
 (1) Land Exchange.
 H. G. Ade, B. S. F., *Insp.*
 F. K. Stewart, *Chief Surv.*
 (2) Claims.
 C. A. McElroy, *Chief Mineral Exam.*

Engineering.

- F. E. Thieme, B. S., (C. E.), *Dist. Engr.*
 (1) Maps and Surveys.
 J. B. Yule, *Asst. Dist. Engr.*
 Frank J. Coole, *Chief Draftsman.*
 W. P. Stephenson, *Chief Surv. (entry surveys).*
 (2) Roads.
 F. E. Thieme, B. S. (C. E.), *Dist. Engr.*
 H. A. Calkins, *Project Engr.*
 W. P. Stephenson, *Chief Surv.*
 (3) Water Power.
 F. E. Thieme, B. S. (C. E.), *Dist. Engr.*
 Harold Townsend, *Chief Surv.*
 Richard P. Hilleary, *Chief Surv.*

National Forests.**Idaho:**

- Clearwater (hdqrs., Orofino, Idaho)—
 Paul A. Wohlen, *Super.*
 Paul H. Gerrard, B. S. F., *Asst. Super.*
 Coeur d'Alene (hdqrs., Coeur d'Alene Idaho)—
 Charles K. McHarg, jr., Ph. B., M. F., *Super.*
 A. J. Roche, *Asst. Super.*
 S. C. Sanderson, *Asst. Super.*
 Howard Drake, *Log. Engr.*
 Thomas Crossley, *Chief Lumberman.*
 H. H. Guiley, B. S. F., *Tech. Asst.*
 Nezperce (hdqr., Grangeville, Idaho)—
 R. A. Phillips, *Super.*
 Guy M. Brandborg, *Asst. Super.*
 C. D. Blake, *Asst. Super.*
 Pend Oreille (hdqrs., Sandpoint, Idaho)—
 E. T. Wolf, B. S. F., *Super.*
 L. F. Jefferson, *Asst. Super.*
 G. M. De Jarnette, B. S. F., *Tech. Asst.*
 Selway (hdqrs., Kooskia, Idaho)—
 Kenneth Wolfe, B. S., *Super.*
 Chas. A. MacGregor, *Asst. Super.*
 J. C. Urquhart, *Asst. Super.*
 St. Joe (hdqrs., St. Maries, Idaho)—
 Eldon H. Myrick, *Super.*
 W. P. Hillman, *Asst. Super.*
 Frank Foltz, B. S. F., *Asst. Super.*
 George C. Earle, *Chief Lumberman.*
 A. R. Standford, *Lumberman.*

Montana:

- Absaroka (hadqrs., Livingston, Mont.)—
 G. E. Martin, *Super.*
 Wm. M. Rush, *Asst. Super.*
 A. Cramer, B. S., *Tech. Asst.*
 Beartooth (hdqrs., Billings, Mont.)—
 R. Trevor Ferguson, B. S., *Super.*

National Forests—Continued.**Montana—Continued.**

Beaverhead (hdqrs. Dillon, Mont.)—
J. C. Whitam, B. S. F., *Super.*
H. W. Elofson, B. S. F., *Tech. Asst.*
P. R. Paine, B. S. F., *Tech. Asst.*
Bitterroot (hdqrs., Hamilton, Mont.)—
John W. Lowell, *Super.*
A. C. Adams, *Asst. Super.*
Blackfeet (hdqrs., Kalispell, Mont.)—
W. M. Nagel, B. S. F., *Super.*
Adolph Weholt, *Asst. Super.*
J. H. Bosworth, *Chief Lumberman.*
Cabinet (hdqrs., Thompson Falls, Mont.)—
Ray R. Fitting, *Super.*
Carl H. Siria, *Asst. Super.*
C. W. Bloom, B. S. F., *Tech. Asst.*
Custer (hdqrs., Miles City, Mont.)—
Alva A. Simpson, *Super.*
Earl D. Sandvig, B. S., *Asst. Super.*
E. W. Hartwell, B. S. F., *Tech. Asst.*
Deerlodge (hdqrs., Butte, Mont.)—
John B. Taylor, A. B., M. F., *Super.*
J. N. Templer, *Asst. Super.*
Flathead (hdqrs., Kalispell, Mont.)—
Lloyd G. Hornby, A. B., M. S. F., *Super.*
C. J. Hash, *Asst. Super.*
W. I. White, B. S. F., *Asst. Super.*
Gallatin (hdqrs., Bozeman, Mont.)—
A. H. Abbott, *Super.*
C. B. Swim, *Asst. Super.*
Helena (hdqrs., Helena, Mont.)—
Leon C. Hurtt, B. S., *Super.*
H. H. Hendron, B. S. F., *Tech. Asst.*
Jefferson (hdqrs., Great Falls, Mont.)—
Wilford B. Willey, M. F., *Super.*
A. A. Brown, B. S. F., *Asst. Super.*
Kootenai (hdqrs., Libby, Mont.)—
Frank J. Jefferson, *Super.*
Justin K. Dwinelle, *Asst. Super.*
R. W. Billings, B. S. F., *Tech. Asst.*
R. E. Fields, B. S., *Tech. Asst.*
A. B. Bowman, B. S. F., *Timber Surveys.*
Lewis and Clark (hdqrs., Choteau, Mont.)—
Wm. E. Lockhart, *Super.*
A. D. Moir, *Asst. Super.*
Lolo (hdqrs., Missoula, Mont.)—
Chas. D. Simpson, B. S., *Super.*
Thomas A. Clapp, B. S., *Asst. Super.*
T. E. Rowland, B. S., *Tech. Asst.*
Madison (hdqrs., Sheridan, Mont.)—
Walter J. Derrick, *Super.*
F. T. Carroll, *Asst. Super.*
R. J. Smith, M. S. F., *Timber Surveys.*
Missoula (hdqrs., Missoula, Mont.)—
J. F. Brooks, B. S. F., *Super.*
John H. Clack, *Asst. Super.*

Washington:

Kaniksú (hdqrs., Newport, Wash.)—
J. E. Ryan, B. S. F., *Super.*
A. N. Cochrell, *Asst. Super.*
K. A. Klem, *Log. Engr.*
F. M. Cossitt, B. S., *Tech. Asst.*

DISTRICT 2.—Rocky Mountain District

Colorado, Wyoming, South Dakota, Nebraska,
and western Oklahoma (hdqrs., Denver, Colo.)
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Law.

W. J. Ise, LL. B., LL. M., *Dist. Law Off.*

Lands and Public Relations.

John W. Spencer, B. A., M. F., *Asst. Dist. For.*
Fred R. Johnson, B. S., M. F., *Tech. Asst.*
T. M. Moorman, LL. B., *Admin. Asst.*

Finance and Accounts.

Joel I. Buckner, *Dist. Fiscal Agt.*
V. W. Campbell, *Dep. Fiscal Agt.*

Operation.

C. J. Stahl, *Asst. Dist. For.*
Peter Keplinger, Pd. B., M. S. F., *Tech. Asst.*
Ress Phillips, *Tech. Asst.*
Riley Cass, jr., *Surt.*
Holland Coleman, *Surv.*
James P. Reddick, *Surv.*
Thomas J. Watkins, *Supt. Road Cons.*
M. R. Kennedy, *Admin. Asst.*

Forest Management.

M. W. Thompson, B. S., M. F., *Asst. Dist. For.*
H. D. Cochran, A. B., B. S. F., *Admin. Asst.*
J. A. Donery, *Log Engr.*
Jay Higgins, B. S. F., *Admin. Asst.*

Range Management.

John H. Hatton, B. S., *Asst. Dist. For.*
Lynn H. Douglas, B. S. A., *Admin. Asst.*

Engineering.

J. L. Brownlee, C. E., Ch. E., M. E., *Dist. Engr.*
F. E. Washburn (drafting).

National Forests.**Colorado:**

Arapaho (hdqrs., Hot Sulphur Springs, Colo.)—
John V. Leighou, B. S. F., *Super.*
E. A. Snow, B. S., *Admin. Asst.*
Cochetopa (hdqrs., Salida, Colo.)—
Charles B. Mack, *Super.*
Eric A. Johnson, B. S. F., *Admin. Asst.*
Colorado (hdqrs., Fort Collins, Colo.)—
Wm. R. Kreutzer, LL. B., *Super.*
C. L. Van Giesen, B. S., M. F., *Admin. Asst.*
Grand Mesa (hdqrs., Grand Junction, Colo.)—
Ray Peck, *Super.*
Paul B. Lister, B. S., M. S., *Tech. Asst.*
Gunnison (hdqrs., Gunnison, Colo.)—
Theodore Krueger, *Super.*
Ray R. Clarke, *Admin. Asst.*
Holy Cross (hdqrs., Glenwood Springs, Colo.)—
Harold L. Borden, B. S. F., *Super.*
Wm. B. Fay, *Admin. Asst.*
Montezuma (hdqrs., Mancos, Colo.)—
A. F. C. Hoffman, B. S. F., *Super.*
Fred Stell, B. S. F., *Admin. Asst.*
Pike (hdqrs., Colorado Springs, Colo.)—
Everard S. Keithley, *Super.*
Harry D. Petheram, *Admin. Asst.*
Ralph R. Hill, B. S., M. F., *Admin. Asst.*
W. H. Schrader, *Nurseryman*, Monument
Nursery, Monument, Colo.
Rio Grande (hdqrs., Monte Vista, Colo.)—
Robert E. Clark, Ph. B., M. F., *Super.*
Paul L. Ginter, B. S., *Admin. Asst.*
Routt (hdqrs., Steamboat Springs, Colo.)—
Philip V. Woodhead, *Super.*
San Isabel (hdqrs., Pueblo, Colo.)—
H. E. French, B. S., M. F., *Super.*
W. J. Stahl, A. B., M. S. F., *Admin. Asst.*

National Forests—Continued.**Colorado—Continued.**

San Juan (hdqrs., Durango, Colo.)—

Andrew Hutton, B. S. F., *Super.*Wm. P. Apgar, B. S., M. F., *Admin. Asst.*

Uncompahgre (hdqrs., Delta, Colo.)—

J. S. Veeder, *Super.*W. L. Robb, B. S., *Admin. Asst.*

White River (hdqrs., Glenwood Springs, Colo.)—

Lewis R. Rist, *Super.*Karl L. Janouch, B. S. A., *Admin. Asst.*C. E. Oakley, *Tech. Asst.***Nebraska:**

Nebraska (hdqrs., Halsey, Nebraska)—

Arthur L. Nelson, B. S. F., *Super.***Oklahoma:**

Wichita (hdqrs., Cache, Okla.)—

Harry H. French, *Super.***South Dakota:**

Black Hills (hdqrs., Deadwood, S. D.)—

George A. Duthie, B. A., M. S. F., *Super.*Fritz J. Poch, B. S. F., *Admin. Asst.*

Harney (hdqrs., Custer, S. D.)—

James F. Conner, *Super.*Paul D. Kemp, B. S., *Admin. Asst.***Wyoming:**

Bighorn (hdqrs., Sheridan, Wyo.)—

Fred B. Agee, *Super.*Victor J. Dayharsh, B. S., *Admin. Asst.*

Medicine Bow (hdqrs., Laramie, Wyo.)—

Huber C. Hilton, B. S., M. S., *Super.*D. E. Clark, B. S., *Admin. Asst.*Edward Wright, *Tech. Asst.*

Shoshone (hdqrs., Cody, Wyo.)—

J. N. Langworthy, *Super.*

Washakie (hdqrs., Lander, Wyo.)—

Wallace J. Pearce, *Super.***Colorado—Colorado Springs (Rocky Mountain Sta.)**J. Roeser, jr., F. E., *For. Exam.***DISTRICT 3—Southwestern District****Arizona and New Mexico (hdqrs., Albuquerque, N. Mex.).**Frank C. W. Pooler, *Dist. For.***Law.**E. S. French, LL. B., M. P. L., *Dist. Law Off.***Finance and Accounts.**Albert Morris, *Dist. Fiscal Agt.*P. H. Harley, *Dep. Fiscal Agt.***Operation.**H. G. Calkins, B. S., *Asst. Dist. For.*James F. Mullen, *Dist. For. Insp.*Stanley F. Wilson, A. B., M. F., *Dist. For. Insp.*Edward P. Ancona, B. S. F., *Sr. Admin. Asst. (maintenance).***Forest Management.**Quincy Randles, B. S., M. S. F., *Asst. Dist. For.*D. M. Lang, *Log. Engr.*H. Basil Wales, B. F., M. F., *Dist. For. Insp.*W. H. Long, A. M., Ph. D., *Consult. Path. (Bur. of Pl. Ind.).***Range Management.**John Kerr, *Asst. Dist. For.*David A. Shoemaker, *Range Exam.*Ralph W. Hussey, B. S., *Assbc. Range Exam.***Range Investigations.**C. K. Cooperrider, B. S., *Range Exam.*R. F. Copple, B. S., Jr., *Range Exam.***Lands.**M. M. Cheney, LL. B., *Asst. Dist. For.*H. D. Burrall, B. S. F., *Chief of Party.***Engineering.**C. A. Long, C. E., *Dist. Engr.*R. L. Hughes, *Asst. Dist. Engr. (roads).***Public Relations.**John D. Jones, A. B., J. D., *Asst. Dist. For.***National Forests.****Arizona:**

Apache (hdqrs., Springerville, Ariz.)—

K. C. Kartchner, *Super.*H. O. Cassidy, B. S. F., *Asst. Super.*

Cocoonino (hdqrs., Flagstaff, Ariz.)—

E. G. Miller, A. B., *Super.*Robt. M. Munro, *Asst. Super.*Fred Meikle, *Log. Engr.*Arthur B. Young, E. M., *Supt. of Road Const.*Robt. F. Rhinehart, *Sr. Lumberman.*Homer E. German, *Sr. Lumberman.*

Coronado (hdqrs., Tucson, Ariz.)—

Frederic Winn, B. S., *Super.*C. W. McKenzie, *Asst. Super.*Wm. John Anderson, *Asst. Super.*W. G. Koogler, *Asst. Range Exam.*

Crook (hdqrs., Safford, Ariz.)—

Rex King, A. B., M. S. F., *Super.*C. E. Moore, *Asst. Super.*H. W. Naylor, *Grazing Spec.*

Prescott (hdqrs., Prescott, Ariz.)—

F. L. W. Grubb, *Super.*L. J. Putsch, *Asst. Super.*

Sitgreaves (hdqrs., Holbrook, Ariz.)—

Paul H. Roberts, B. S. F., *Super.*L. F. Cottam, *Assc. Super.*Robt. C. Salton, B. S., *Asst. For.*Kimberlin Carlisle, *Chief Lumberman*E. L. Hamilton, B. S., Jr., *For.*

Tonto (hdqrs., Phoenix, Ariz.)—

T. T. Swift, Ph. G., M. E., *Super.*J. H. Sizer, *Asst. Super.*W. E. Wiltbank, *Grazing Spec.*

Tusayan (hdqrs., Williams, Ariz.)—

G. W. Kimball, A. B., M. F., *Super.*William T. Doherty, F. E., *Asst. Super.*R. D. Morris, B. S. F., *Asst. Range Exam.***New Mexico:**

Carson (hdqrs., Taos, N. Mex.)—

C. R. Dwire, *Super.*C. A. Merker, B. S. F., *Asst. Super.*

Datil (hdqrs., Magdalena, N. Mex.)—

F. L. Kirby, *Super.*B. A. Hendricks, B. S., *Asst. Super.*R. V. Boyle, Jr., *Range Exam.*

Gila (hdqrs., Silver City, N. Mex.)—

James A. Scott, *Super.*L. R. Lessel, B. S. F., *Asst. Super.*

Lincoln (hdqrs., Alamogordo, N. Mex.)—

O. F. Arthur, *Super.*Simeon Strickland, *Asst. Super.*R. B. Ewing, Jr., *Range Exam.*

Manzano (hdqrs., Albuquerque, N. Mex.)—

John A. Adams, M. E., *Super.*Jacob C. Nave, *Asst. Super.*

National Forests—Continued.**New Mexico—Continued.**

Santa Fe (hdqrs., Santa Fe, N. Mex.)—
 Frank E. Andrews, *Super.*
 M. F. Pincett, *Asst. Super.*
 J. C. Roak, B. S. F., *Asst. Super.*
 C. H. Kissam, B. F., F. E., *Supt. Road Const.*

DISTRICT 4—Intermountain District

Utah, southern Idaho, western Wyoming, Nevada,
 and northwestern Arizona (hdqrs., Ogden,
 Utah).

R. H. Rutledge, *Dist. For.*

Finance and Accounts.

Lee Straton, *Dist. Fiscal Agt.*
 A. C. Wycoff, *Dep. Fiscal Agt.*

Operation.

C. N. Woods, *Asst. Dist. For.*
 Thomas V. Pearson, *Admin. Asst.*

**State Cooperative Fire Protection under Clarke-
McNary Law, Idaho.**

C. B. Morse, M. S., *Asst. Dist. For.*

Forest Management.

C. B. Morse, M. S., *Asst. Dist. For.*
 E. C. Sanford, B. S., *Asst.*
 U. S. Swartz, *Log. Engr.*
 S. B. Locke, B. S., *For. Insp.*

Range Management.

Ernest Winkler, *Asst. Dist. For.*
 J. O. Stewart, *Insp. of Grazing.*
 A. R. Standing, *Assoc. Range Exam.*

Lands.

R. E. Geary, *Asst. Dist. For.*

Engineering.

J. P. Martin, C. E., *Dist. Engr.*
 W. W. Blakeslee, *Asst.*
 H. M. Shank, *Assoc. Civil Engr. (maps and surveys).*
 J. P. Martin, C. E., *Dist. Engr. (roads).*
 J. P. Martin, C. E., *Dist. Engr. (water power).*

Public Relations.

Dana Parkinson, A. B., M. F., *Asst. Dist. For.*

National Forests.**Arizona:**

Kaibab (hdqrs., Kanab, Utah)—
 Walter G. Mann, *Super.*

Idaho:

Boise (hdqrs., Boise, Idaho)—
 Guy B. Mains, *Super.*
 Arthur Potter, *Asst. Super.*
 J. W. Stokes, B. S., M. E., *Tech. Asst.*

Caribou (hdqrs., Montpelier, Idaho)—
 F. S. Moore, *Super.*

Challis (hdqrs., Challis, Idaho)—
 E. A. Renner, *Super.*

E. E. McKee, *Asst. Super.*

Idaho (hdqrs., McCall, Idaho)—
 S. C. Scribner, *Super.*

Ira Latham, *Asst. Super.*

J. W. Farrell, B. S., *Asst. Super.*

Lemhi (hdqrs., Mackay, Idaho)—
 Oscar Mink, *Super.*

M. C. Schulze, B. S., *Tech. Asst.*

Minidoka (hdqrs., Burley, Idaho)—
 S. S. Stewart, A. B., M. S., *Super.*

National Forests—Continued.**Idaho—Continued.**

Payette (hdqrs., Emmett, Idaho)—
 V. B. Rice, B. A., M. F., *Super.*

Francis Wallis, *Asst. Super.*

Clark Miles, *Tech. Asst.*

Salmon (hdqrs., Salmon, Idaho)—

John N. Kinney, *Super.*

D. E. Romano, *Asst. Super.*

Sawtooth (hdqrs., Hailey, Idaho)—

M. S. Benedict, *Super.*

Targhee (hdqrs., St. Anthony, Idaho)—

S. W. Stoddard, *Super.*

David A. Arrivee, B. S., *Asst. Super.*

Weiser (hdqrs., Weiser, Idaho)—

John Raphael, *Super.*

Felix C. Koziol, B. S., *Asst. Super.*

J. E. Ritter, B. S., *Tech. Asst.*

Nevada:

Humboldt (hdqrs., Elko, Nev.)—

Alexander McQueen, *Super.*

Wilford E. Tangren, *Asst. Super.*

Nevada (hdqrs., Ely, Nev.)—

Chas. A. Beam, *Super.*

Toiyabe (hdqrs., Austin, Nev.)—

J. E. Gurr, *Super.*

Utah:

Ashley (hdqrs., Vernal, Utah)—

A. G. Nord, *Suprr.*

Cache (hdqrs., Logan, Utah)—

Carl B. Arentson, *Super.*

J. A. Libby, B. S., *Tech. Asst.*

Selar S. Hutchings, A. B., *Tech. Asst.*

Dixie (hdqrs., Cedar City, Utah)—

Orange A. Olsen, *Super.*

Fishlake (hdqrs., Richfield, Utah)—

C. A. Mattsson, *Super.*

Chester J. Olsen, *Asst. Super.*

La Sal (hdqrs., Moab, Utah)—

A. C. Folster, *Super.*

Manti (hdqrs., Ephraim, Utah)—

J. W. Humphrey, *Super.*

Powell (hdqrs., Panguitch, Utah)—

Wallace M. Riddle, *Super.*

Uinta (hdqrs., Provo, Utah)—

Chas. DeMoisy, jr., *Super.*

Geo. C. Larson, *Asst. Super.*

Wasatch (hdqrs., Salt Lake City, Utah)—

E. C. Shepard, B. S., *Super.*

Blaine Betenson, *Asst. Super.*

Carl A. Gustafson, Jr. *For.*

Wyoming:

Teton (hdqrs., Jackson, Wyo.)—

A. C. McCain, *Super.*

Wyoming (hdqrs., Kemmerer, Wyo.)—

C. E. Favre, M. S., *Super.*

Milo H. Deming, B. S., *Asst. Super.*

Robert Davis, B. S., *Tech. Asst.*

H. C. Hoffman, B. S., M. S., *Tech. Asst.*

DISTRICT 5—California District

California and southwestern Nevada (hdqrs., San
 Francisco, Calif.).

Stuart B. Show, A. B., M. F., *Dist. For.*

Law.

H. P. Dechant, A. B., LL. B., *Asst. to Solicitor.*

Finance and Accounts.A. W. Smith, *Dist. Fiscal Agt.*Howard E. Marshall, *Dep. Fiscal Agt.***Operation.**Robert L. Deering, A. B., M. F., *Asst. Dist. For.*
Paul P. Pitchlynn, *Dist. For. Insp. (personnel, insp., and improvements).*E. V. Lackey, *Admin. Asst.*Jay H. Price, B. S., *Dist. For. Insp.*Elsa H. Schmieder, *Chief of Maintenance.*C. E. Jordan, *Dist. For. Insp.*W. A. Huestis, *Supt. of Road Const. (minor roads and rails).*Frank E. Woodridge, *Chief Surv. (minor roads and trails).*Chas. L. Young, *Chief Surv. (minor roads and trails).*F. H. Hadley, *Telephone Engr.***State Cooperative Fire Protection under Clarke-McNary Law, California and Territory of Hawaii.**Jay H. Price, B. S., *Dist. For. Insp.***Forest Management.**T. D. Woodbury, B. Ph., M. F., *Asst. Dist. For.*C. E. Dunston, B. F., *Asst.*J. R. Berry, *Log. Engr.*B. O. Hughes, B. S., *Assoc. For. (logging).*J. C. Elliott, *Lumberman (timber sales).*O. M. Evans, *For. Exam. (timber surveys).***Forest Pathology (in coop. with Bur. of Pl. Ind.).**Willis W. Wagener, A. B., M. S., *Consult Path.*Ernest Wright, B. S., M. S., *Asst.***Forest Insect Investigations (Stanford Univ., Calif.).**H. E. Burke, Ph. D., *Ent.*J. M. Miller, *Ent.***Range Management.**Jesse W. Nelson, *Asst. Dist. For.*R. W. Beeson, B. A., *Asst.***Lands.**L. A. Barrett, *Asst. Dist. For.*George Miller, *Dist. For. Insp.*W. H. Friedhoff, E. M., *Dist. For. Insp.***Engineering.**E. W. Cramer, C. E., *Dist. Engr.*John C. Beebe, B. S., *Asst. Hydro-electrical Engr.*S. H. Ketchum, *Assoc. Hydro-electrical Engr. (water power).*H. A. Sedelmeyer, *Chief Draftsman.*T. R. Littlefield, *Chief Surv. (maps and surveys).*B. B. Burnett, *Asst. Dist. Engr. (roads).*J. H. Lawrence, *Asst. Engr (bridges).***Public Relations.**W. I. Hutchinson, A. B., M. F., *Asst. Dist. For.*Paul J. Fair, *Admin. Off., in charge of exhibits.***National Forests.****California:**

Angeles (hdqrs., Los Angeles, Calif.)—

Wm. V. Mendenhall, *Super.*Lewis H. Anderson, *Asst. Super.*August J. Mueller, *Asst. Super.*

California (hdqrs., Willows, Calif.)—

Frank Price, *Super.*W. F. Derby, A. B., *Asst. Super.***National Forests—Continued.****California—Continued.**

Cleveland (hdqrs., San Diego, Calif.)—

L. H. Anderson, *Super.*

Eldorado (hdqrs., Placerville, Calif.)—

E. F. Smith, *Super.*Arnold N. Weber, B. S., M. S., *Tech. Asst.*

Inyo (hdqrs., Bishop, Calif.)—

Roy Boothe, *Super.*

Klamath (hdqrs., Yreka, Calif.)—

F. D. Douthitt, *Super.*Perry J. Hill, *Asst. Super.*John S. Edwards, B. S., Jr. *For.*W. W. Woolbridge, *Foreman Road Const.*

Lassen (hdqrs., Susanville, Calif.)—

W. G. Durbin, *Super.*John S. Everitt, B. S., M. F., *Asst. Super.*Marc W. Edmonds, B. S., *Asst. For.*Cyril B. Robinson, Jr. *Range Exam.*C. W. Corson, B. S., M. S., Jr. *For.*

Modoc (hdqrs., Alturas, Calif.)—

Fred P. Cronemiller, B. S., *Super.*Russell S. Bacon, B. S., M. S. F., Jr. *For.*Fred J. Dooley, *Prin. Lumberman.*

Plumas (hdqrs., Quincy, Calif.)—

D. N. Rogers, B. S., M. F., *Super.*Jacob D. Schoeller, B. S., *Asst. Super.*John T. Gray, *Asst. Super.*Robert W. Ayres, Ph. B., M. F., *Assoc. For.*Ambrose B. Everts, B. S., Jr. *For.*Paul R. Kevin, B. S., Jr. *For.*

San Bernardino (hdqrs., San Bernardino, Calif.)—

J. E. Elliott, *Super.*Arthur T. Shay *Asst. Super.*

Santa Barbara (hdqrs., Santa Barbara, Calif.)—

S. A. Nash-Boulden, *Super.*Frank A. Robinson, *Asst. Super.*Clarence A. Morris, *Asst. Super.*

Sequoia (hdqrs., Porterville, Calif.)—

E. P. Cunningham, *Super.*T. C. West, *Asst. Super.*B. H. Mace, *Asst. Super.*James P. Farley, B. S., Jr. *Range Exam.*

Shasta (hdqrs., Mt. Shasta, Calif.)—

Thos. J. Jones, *Super.*Frank Myers, *Asst. Super.*Belknap G. Goldsmith, B. S., M. F., *Log. Engr.*

Sierra (hdqrs., Northfork, Calif.)—

M. A. Benedict, B. S., *Super.*Audie K. Wofford, *Asst. Super.*Walter E. Jotter, B. S., *Asst. For.*Earl E. Bachman, B. S., Jr. *For.*

Stanislaus (hdqrs., Sonora, Calif.)—

J. R. Hall, B. S., M. S., *Super.*Claude K. Barker, *Asst. Super.*Orville P. Burnett, B. S., *Asst. For.*George E. Sargent, B. S., Jr. *For.*Wm. S. Price, *Prin. Lumberman.*

Tahoe (hdqrs., Nevada City, Calif.)—

R. L. P. Bigelow, *Super.*Leland S. Smith, *Asst. Range Exam.*Millard M. Barnum, B. S., *Asst. For.*

Trinity (hdqrs., Weaverville, Calif.)—

Geo. M. Gowen, B. S., *Super.*DeWitt Nelson, B. S., *Asst. Super.*

National Forests—Continued.**Nevada:**

Mono (hdqrs., Minden, Nev.)—
Wm. M. Maule, *Super.*

DISTRICT 6—North Pacific District

Washington and Oregon (hdqrs., Portland, Oreg.).

C. M. Granger, B. S., *Dist. For.*

Finance and Accounts.

A. H. Cousins, *Dist. Fiscal Agt.*

H. J. Well, *Dep. Fiscal Agt.*

Operation.

A. O. Waha, *Asst. Dist. For.*

Shirley Buck, *Admin. Off.*

K. P. Cecil, *Insp. (improvements).*

T. P. Flynn, *Asst. Insp.*

C. M. Allen, *Telephone Engr.*

Fire Control.

F. H. Brundage, Ph. B., M. F., *Asst. Dist. For.*

W. B. Osborne, jr., A. B., M. F., *Insp. (fire suppression).*

T. M. Talbott, *Asst. Insp. (law enforcement).*

Inspection of Oregon and California Railroad Lands and State Fire Cooperation.

E. H. MacDaniels, A. B., M. F., *Insp. (fire coop.).*

Forest Management.

Fred Ames, A. B., M. F., *Asst. Dist. For.*

George L. Drake, B. S., *Admin. Asst.*

B. E. Hoffman, B. S., *Sr. Logging Engr.*

O. F. Ericson, A. B., M. S. F., *Assoc. Log. Engr.*

G. E. Stevenson, *Chief Lumberman (check scaling).*

Fred A. Matz, *Chief Lumberman (timber surveys).*

Floyd Cory, M. S., *Jr. For.*

Planting and Forest Investigations.

J. F. Kummel, M. A., *For. Exam. (planting).*

E. J. Hanzlik, B. S. F., *For. Exam. (investigation).*

Forest Pathology (in coop. with Bur. of Pl. Ind.).

H. G. Lachmund, A. B., *Assoc. Path.*

J. L. Mielke, B. S. F., *Jr. Path.*

C. N. Partington, B. S. H., *Jr. Path.*

Forest Insect Control.

A. J. Jaenicke, B. S. F., *For. Exam.*

Range Management.

E. N. Kavanagh, *Asst. Dist. For.*

D. C. Ingram, *Assoc. Range Exam. (range inv.).*

Lands.

C. J. Buck, B. A., M. F., *Asst. Dist. For.*

F. W. Cleator, *Asst. Insp. (recreation).*

W. H. Friedhoff, E. M., *Mineral Exam.*

Adolph Nilsson, B. S., *Chief Land Exam.*

Engineering.

Philip H. Dater, A. B., B. S., *Dist. Engr.*

J. Frankland, C. E., *Assoc. Engr. (maps and surveys).*

Victor Flach, *Chief Draftsman.*

Products.

W. H. Gibbons, *For. Exam., in charge.*

Allen H. Hodgson, M. F., *For. Exam.*

H. M. Johnson, B. S., M. S. F., *For. Exam.*

H. R. Spelman, B. S., M. F., *For. Exam.*

Public Relations.

John D. Guthrie, Ph. B., M. F., *Asst. Dist. For.*

Geo. E. Griffith, *Admin. Asst.*

E. Maude Stone, *Libr.*

National Forests.**Oregon:**

Cascade (hdqrs., Eugene, Oreg.)—

N. F. Macduff, B. S. F., *Super.*

R. F. Grefe, B. S. F., *Supt. of Const.*

H. E. Haefner, B. S. A., *Tech Asst.*

Crater (hdqrs., Medford, Oreg.)—

H. B. Rankin, *Super.*

N. C. White, B. E., *Asst. Super.*

Lee P. Brown, B. S. F., *Jr. For.*

W. J. Sproat, M. F., *Tech. Asst.*

Deschutes (hdqrs., Bend, Oreg.)—

R. L. Fromme, B. S. A., M. F., *Super.*

W. O. Harriman, A. B., *Asst. Super.*

C. C. Olson, B. S. F., *Supt. Const.*

W. J. Perry, *Lumberman.*

E. J. Schlatter, B. S. F., *Jr. For.*

Leslie Colvill, B. S. F., *Jr. For.*

Fremont (hdqrs., Lakeview, Oreg.)—

Gilbert D. Brown, *Super.*

Lawrence Frizzell, *Asst. Super.*

R. W. Putnam, B. S., *Jr. For.*

Malheur (hdqrs., John Day, Oreg.)—

Walt L. Dutton, B. S., *Super.*

Carl Ewing, A. B., *Asst. Super.*

C. H. Huntington, B. S. F., *Jr. For.*

R. B. Pierpont, *Supt. of Const.*

C. W. Waterbury, *Lumberman.*

Mount Hood (hdqrs., Portland, Oreg.)—

Thomas H. Sherrard, A. B., *Super.*

R. T. Carter, *Asst. Super.*

H. D. Foster, A. B., M. F., *Tech. Asst.*

F. E. Williamson, jr., B. S. F., *Recreation Asst.*

F. G. Renner, B. S. F., *Asst. Range Exam.*

F. F. Murray, *Supt. Const.*

Ochoco (hdqrs., Prineville, Oreg.)—

V. V. Harpham, *Super.*

W. A. Donnelly, *Asst. Super.*

Santiam (hdqrs., Albany, Oreg.)—

C. C. Hall, *Super.*

H. G. White, *Asst. Super.*

Siskiyou (hdqrs., Grants Pass, Oreg.)—

J. H. Billingslea, B. S. F., *Super.*

A. G. Jackson, A. B., M. S. F., *Tech. Asst.*

M. M. Lewis, *Asst. Super.*

Siuslaw (hdqrs., Eugene, Oreg.)—

Ralph S. Shelley, B. S., *Super.*

A. R. Wilcox, B. S., *Tech. Asst.*

Umatilla (hdqrs., Pendleton, Oreg.)—

J. F. Irwin, *Super.*

F. D. Monroe, B. S., *Jr. For.*

Lester Moncrief, B. S. F., *Asst. Super.*

F. D. Monroe, B. S., *Jr. For.*

Umpqua (hdqrs., Roseburg, Oreg.)—

Carl B. Neal, A. B., M. F., *Super.*

Donald N. Matthews, B. S. F., M. F., *Asst. Super.*

Wallowa (hdqrs., Wallowa, Oreg.)—

Nelson J. Billings, *Super.*

Whitman (hdqrs., Baker, Oreg.)—

John C. Kuhns, *Super.*

F. W. Furst, B. S., *Asst. Super.*

I. E. Jones, *Supt. of Const.*

J. L. Peterson, B. S. H., *Assoc. Range Exam.*

Otto G. Koenig, B. S. F., *Jr. For.*

National Forests—Continued.**Washington:**

Chelan (hdqrs., Okanogan, Wash.)—
 P. T. Harris, A. B., M. F., *Super.*
 G. E. Mitchell, *Asst. Super.*
 Roy Mitchell, *Supt. of Const.*
 Columbia (hdqrs., Portland, Oreg.)—
 F. V. Horton, *Super.*
 R. A. Botcher, *Supt. of Const.*
 J. M. Mann, *Supt. of Const.*
 G. A. Bright, B. A., M. F., *Tech. Asst.*
 Colville (hdqrs., Republic, Wash.)—
 P. A. Thompson, *Super.*
 Lloyd L. Houghland, *Supt. of Const.*
 J. B. Hogan, B. S. F., *Jr. For.*

Mount Baker (hdqrs., Bellingham, Wash.)—
 Lawrence B. Pagter, B. A., M. F., *Super.*
 Lage Wernstedt, M. E., M. F., *Asst. For.*
 D. J. Stoner, B. S. F., *Jr. For.*

Olympic (hdqrs., Olympia, Wash.)—
 H. L. Plumb, A. B., M. S. F., *Super.*
 J. R. Bruckart, *Asst. Super.*
 C. F. Ritter, *Supt. Const.*
 Robert S. Maclay, B. S., *Jr. For.*
 Paul H. Logan, B. S. F., *Jr. For.*
 W. H. Lund, B. S. F., *Jr. For.*
 A. R. Cochran, B. S. F., *Jr. For.*

Rainier (hdqrs., Tacoma, Wash.)

E. J. Fenby, *Super.*

J. L. Campbell, *Asst. Super.*

E. R. Johnson, *Supt. of Const.*

Otto Lindh, B. S. F., *Jr. For.*

Snoqualmie (hdqrs., Seattle, Wash.)—

W. G. Weigle, M. F., *Super.*

Lewis A. Treen, jr., B. S. F., *Asst. Super.*

Ira J. Mason, B. S., M. F., *Jr. For.*

Wenatchee (hdqrs., Wenatchee, Wash.)—

A. H. Sylvester, B. S., *Super.*

C. J. Conover, B. S., M. S. F., *Asst. Super.*

T. H. Burgess, B. S., *Jr. For.*

DISTRICT 7—Eastern District

Alabama, Arkansas, Florida, Georgia, Louisiana,
 Maine, Mississippi, New Hampshire, North
 Carolina, Pennsylvania, Porto Rico, South
 Carolina, Tennessee, Vermont, Virginia, and
 West Virginia (hdqrs., Washington, D. C.).

Joseph C. Kircher, B. A., M. F., *Dist. For.*

Finance and Accounts.

Louis King, *Dist. Fiscal Agt.*

H. B. Herms, *Dep. Fiscal Agt.*

Operation.

H. O. Stabler, M. F., *Asst. Dist. For.*

Forest Management.

R. M. Evans, B. A., M. F., *Asst. Dist. For.*

James W. Girard, *Log Engr.*

L. S. Gross, B. S., *Asst. Dist. For. Insp.*

Range Management.

I. T. Yarnall, B. S., *Asst. Dist. For.*

Lands.

I. T. Yarnall, B. S., *Asst. Dist. For.*

W. W. Ashe, M. S., *Sr. Dist. For. Insp.*

Percy J. Paxton, *Sr. Dist. For. Insp.*

Engineering.

J. C. Dort, B. S., *Dist. Engr.*

Rezin E. Pidgeon, *Asst. Dist. Engr.*

Geo. W. Root, *Assoc. Engr.*

Public Relations.

— *Asst. Dist. For.*

National Forests.**Alabama:**

Alabama (hdqrs., Athens, Tenn.)—

Clinton G. Smith, B. S., M. F., *Super.*

Geo. K. Stephenson, B. S., *Jr. For.*

Arkansas:

Ouachita (hdqrs., Hot Springs Nat. Park,
 Ark.)—

R. H. Charlton, *Super.*

R. M. Conarro, *Asst. Super.*

A. J. Streinz, B. S., *Asst. For.*

H. L. Russell, A. B., M. F., *Asst. For.*

Chas. Melichar, B. S., *Jr. Land Appraiser.*

Ozark (hdqrs., Russellville, Ark.)—

Henry R. Koen, *Super.*

Ben F. Vaughan, *Asst. Super.*

Philip H. Bryan, B. S., *Jr. For.*

H. E. Dobbins, B. S., *Jr. Land Appraiser.*

James B. Long, B. S., *Jr. Land Appraiser.*

Florida:

Choctawhatchee (hdqrs., Pensacola, Fla.)—

A. C. Shaw, B. S., *Super.*

E. W. Gemmer, B. S., M. F., *Jr. For.*

Ocala (hdqrs., Pensacola, Fla.)—

A. C. Shaw, B. S., *Super.*

Evan W. Hadley, B. S., *Asst. For.*

Osceola Purchase Unit (hdqrs., Pensacola,
 Fla.)—

A. C. Shaw, B. S., *Super.*

M. M. Lehrbas, B. S., *Jr. For.*

Louisiana:

Kisatchie Purchase Unit (hdqrs., Alexandria,
 La.)—

Chas. A. Plymale, *Super.*

L. E. Fitch, B. S., *Jr. For.*

New Hampshire:

White Mountain (hdqrs., Laconia, N. H.)—

James E. Scott, *Super.*

H. R. Currier, *Asst. Super.*

Theo. C. Flint, B. S., *Jr. For.*

North Carolina:

Nantahala (hdqrs., Franklin, N. C.)—

A. A. Wood, *Super.*

John Wasilik, Jr., M. F., Ph. B., *Land Ap-
 praiser.*

Harry True, B. S., *Chief Land Exam.*

John B. Byrne, B. S., *Jr. For.*

E. V. Roberts, B. S., *Jr. Land Appraiser.*

Pisgah (hdqrs., Asheville, N. C.)—

M. A. Mattoon, M. F., Ph. B., *Super.*

C. L. Graham, *Asst. Super.*

L. R. Smith, B. S., *Jr. For.*

Pennsylvania:

Allegheny (hdqrs., Warren, Pa.)—

L. L. Bishop, B. S., *Super.*

L. R. Strickenberg, B. S., *Chief Land Exam.*

W. I. Stevens, *Jr. Land Appraiser.*

National Forests—Continued.**Porto Rico:**

Luquillo (hdqrs., Rio Piedras, P. R.)—
Wm. P. Kramer, B. F., *Super.*

Tennessee:

Cherokee (hdqrs., Athens, Tenn.)—
Clinton G. Smith, B. S., M. F., *Super.*
John W. McNair, *Asst. Super.*
James Denman, B. S., *Chief Land Exam.*
F. C. Henneberger, B. S., *Jr. Land Appraiser.*
Unaka (hdqrs., Bristol, Tenn.)—
Sam R. Broadbent, B. S., M. F., *Super.*
Chas. E. Beaumont, Ph. B., *Asst. For.*
A. R. Kinney, B. S., *Chief Land Exam.*

Virginia:

Natural Bridge (hdqrs., Lynchburg, Va.)—
Harold M. Sears, B. S., *Super.*
Shenandoah (hdqrs., Harrisonburg, Va.)—
R. W. Shields, B. S., *Super.*

Vermont:

Green Mountain Purchase Unit (hdqrs., Bennington, Vt.)—
D. W. Tabbutt, B. S., *Land Appraiser.*

West Virginia:

Monongahela (hdqrs., Elkins, W. Va.)—
C. L. Perkins, B. S., *Super.*
E. R. Conrad, *Chief Land Exam.*
D. A. Oliver, B. S., *Nurseryman.*
W. E. Hedges, *Chief Land Exam.*

DISTRICT 8—Alaska District**Alaska (hdqrs., Juneau).**

Chas. H. Flory, B. S., *Dist. For.*

Finance and Accounts.

H. L. Redlingshafer, *Dist. Fiscal Agt.*

Operation.

M. L. Merritt, M. S., *Asst. Dist. For.*
Harry Sperling, *Chief of Maintenance.*

Forest Management.

B. F. Heintzleman, M. F., *Asst. Dist. For.*
J. P. Williams, *For. Exam. (timber surveys).*
R. F. Taylor, M. F., *For. Exam. (silvical research).*

Lands.

M. L. Merritt, M. S., *Asst. Dist. For.*
Wellman Holbrook, *For. Exam.*

Engineering.

M. L. Merritt, M. S., *Asst. Dist. For. (roads).*
B. F. Heintzleman, M. F., *Asst. Dist. For. (water power).*

National Forests.**Alaska:**

Chugach (hdqrs., Cordova, Alaska)—
W. J. McDonald, *Super.*
L. C. Pratt, *Exec. Asst.*
Tongass (hdqrs., Ketchikan, Alaska)—
Robert A. Zeller, B. S., *Super.*

National Forests—Continued.**Alaska—Continued.**

Tongass (hdqrs., Ketchikan, Alaska)—Contd.
J. A. Thayer, B. S., *For. Exam.*
C. W. Griffin, *Exec. Asst.*
L. W. Blodgett, *Sr. Engr.*
Bernard R. Aikens, *Sr. Engr.*

DISTRICT 9—Lake States District

Michigan, Minnesota, and Wisconsin (hdqrs. Milwaukee, Wis.)—
Earl W. Tinker, B. S., M. F., *Dist. For.*
Willett F. Ramsdell, B. S., M. S. F., *Asst. Dist. For.*
Crosby A. Hoar, B. A., M. F., *Asst. Dist. For.*

Finance and Accounts.

Shelley E. Schoonover, *Dist. Fiscal Agt.*
Wm. B. Ihlanfeldt, *Dep. Fiscal Agt. and Purch. Agt.*

Engineering.

Maps, Surveys, and Roads.
Harold P. McConnell, *Draftsman.*

National Forests and Purchase Units.

Marquette Purchase Unit (hdqrs. Munising, Mich.)—
Wm. L. Barker, Jr., B. S., *For. Officer in charge.*
Russell B. McKennan, B. S., *Asst.*
Allen F. Miller, B. S., *Asst.*
Stephen E. Doering, *in charge Keweenaw Purchase Unit, Trout Creek, Mich.*
Huron National Forest (hdqrs. East Tawas, Mich.)—
Robert S. Schreck, B. F. S., *For. Super.*
Ralph H. Johnson, *Nurseryman.*
H. C. Turner, B. S., *Nurseryman.*

Minnesota:

Chippewa National Forest (hdqrs. Cass Lake, Minn.)—
Howard Hopkins, B. A., M. F., *Super.*
Gunnar K. Fenger, B. S. F., *Adm. Asst.*
Superior National Forest (hdqrs. Ely, Minn.)—
Albin G. Hamel, B. S. F., *Super.*
R. U. Harmon, B. S. F., *Adm. Asst.*
J. M. Walley, B. S. F., *Adm. Asst., St. Croix Purchase Unit, Duluth, Minn.*

Wisconsin:

Wisconsin Purchase Units (hdqrs. Park Falls, Wis.)—
S. Duval Anderson, B. S., *Super.*
Davis A. Christianson, B. S. F., *Jr. For.*
Ray C. Iverson, B. S., *Jr. For.*
Donald R. Ball, B. S., *Jr. For.*

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 J. Hamilton, *Sci. Aid.*

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H. V. Claborn, *Ass. Sci. Aid.*

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Luther R. Leinbach, B. S., *Asst. Chem.*
Washington—Wenatchee:
C. R. Gross, B. S., M. S., *Assoc. Chem.*
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PROTEIN AND NUTRITION DIVISION

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J. P. Divine, *Sr. Sci. Aid.*

Proteins and Amino Acids.

F. A. Csonka, B. Ch. E., Ph. D., *Sr. Chem.*
M. J. Horn, B. S., M. S., Ph. D., *Jr. Chem.*
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Leather and Tanning Materials.

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I. D. Clarke, A. B., *Assoc. Chem.*
J. A. Moran, B. S., M. S., Ph. D., *Assoc. Bact.*
W. D. Edington, A. B., A. M., *Jr. Chem.*
R. M. deBruyne, *Assoc. Hide Spec.*
P. C. Brigham, *Asst. Hide Spec.*

Naval Stores.

H. P. Holman, A. B., *Sr. Chem.*
W. C. Smith, A. B., M. S., *Jr. Chem.*

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Paper and Fiber Board.

T. D. Jarrell, B. S., M. S., *Assoc. Chem.*

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SOIL CHEMISTRY AND PHYSICS

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Physical Soil Characteristics.

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Lyle T. Alexander, B. S., *Jr. Phys.*

Mechanical Soil Analysis.

Hubert Lakin, *Jr. Sci. Aid.*
Dorothea M. Darnell, * *Under Sci. Helper.*

Research in Soil Chemistry.

Philip L. Gile, A. B., *Sr. Chem.*
M. S. Anderson, A. B., M. S., Ph. D., *Assoc. Chem.*
Irving A. Denison, A. B., M. S., Ph. D., *Asst. Chem.*

Robert S. Holmes, A. B., *Asst. Chem.*

W. O. Robinson, B. S., M. S., *Chem.*

J. G. Smith, B. S., M. S., *Asst. Chem.*

Irvin C. Feustel, B. S., M. S., *Asst. Chem.*

Soil Mineralogy and Petrography.

W. H. Fry, A. B., *Assoc. Soil Petrographer.*

Soil Analysis.

Glen Edgington, B. S., *Asst. Chem.*
G. J. Hough, B. S., *Asst. Chem.*

Soil Erosion.

H. E. Middleton, B. S., M. S., Ph. D., *Assoc. Phys.*
Clarence S. Slater, B. A., M. S., *Asst. Phys.*

SOIL SURVEY

Curtis F. Marbut, B. S., A. M., Ph. D., LL. D., *Prin. Soil Sci., in charge.*

George W. Baumann, *Exec. Asst.*

J. W. McKericher, *Chief Draftsman.*

Mark Baldwin, B. S., *Insp., Dist. 1.*

W. E. Hearn, B. S., *Insp., Dist. 2.*

T. D. Rice, Ph. B., *Insp., Dist. 3.*

M. H. Lapham, B. S., *Insp., Dist. 5.*

J. E. Lapham, *Assoc. Soil Technol.*

W. J. Geib, *Assoc. Soil Sci.*

C. C. Bassett, *Assoc. Cartographer.*

E. M. Eastwood, *Assoc. Cartographer.*

W. T. Carter, jr., B. S., *Assoc. Soil Sci.*

A. T. Strahorn, B. S., *Assoc. Soil Sci.*

A. T. Sweet, B. S., *Assoc. Soil Sci.*

A. C. Anderson, B. S., *Asst. Soil Surv.*

M. W. Beck, B. S., *Asst. Soil Surv.*

R. T. A. Burke, *Asst. Soil Surv.*

E. J. Carpenter, B. S., *Asst. Soil Surv.*

E. B. Deeter, B. S., *Asst. Soil Surv.*

E. D. Fowler, B. S., *Asst. Soil Surv.*

F. A. Hayes, B. S., A. M., *Asst. Soil Surv.*

B. H. Hendrickson, B. S., *Asst. Soil Surv.*

R. C. Journey, A. B., *Asst. Soil Surv.*

E. W. Knobel, B. S., *Asst. Soil Surv.*

W. J. Latimer, B. S., *Asst. Soil Surv.*

C. Lounsbury, B. S., *Asst. Soil Surv.*

S. O. Perkins, B. S., *Asst. Soil Surv.*

A. E. Taylor, Ph. B., *Asst. Soil Surv.*

W. E. Tharp, *Asst. Soil Surv.*

W. I. Watkins, B. S., *Asst. Soil Surv.*

R. Wildermuth, B. S., *Asst. Soil Surv.*

E. H. Bailey, B. S., M. S., *Jr. Soil Surv.*
R. E. Devereux, A. B., *Jr. Soil Surv.*
M. J. Edwards, *Jr. Soil Surv.*
T. W. Glassey, *Jr. Soil Surv.*
A. W. Goke, B. S., *Jr. Soil Surv.*
A. L. Gray, B. S., *Jr. Soil Surv.*
M. H. Layton, B. S., *Jr. Soil Surv.*
F. R. Lesh, *Jr. Soil Surv.*
A. H. Hasty, *Jr. Soil Surv.*
J. W. Moon, B. S., *Jr. Soil Surv.*
W. J. Moran, B. S., *Jr. Soil Surv.*
C. S. Simmons, B. S., *Jr. Soil Surv.*
H. M. Smith, B. S., *Jr. Soil Surv.*
James Thorp, B. S., *Jr. Soil Surv.*
B. H. Williams, B. S., *Jr. Soil Surv.*
F. O. Youngs, B. S., *Jr. Soil Surv.*
E. G. Fitzpatrick, *Jr. Soil Surv.*
Z. C. Foster, B. S., *Jr. Soil Surv.*
E. N. Poulson, *Jr. Soil Surv.*
Ray C. Roberts, B. S., *Jr. Soil Surv.*
G. A. Swenson, B. S., *Jr. Soil Surv.*
S. Rankin B. Bacon, B. S., *Jr. Soil Surv.*
Wm. H. Buckhannon, B. S., *Jr. Soil Surv.*
Howard Wm. Higbee, B. S., *Jr. Soil Surv.*
Marion R. Issacson, B. S., M. S., *Jr. Soil Surv.*
Courtland B. Manifold, B. S., *Jr. Soil Surv.*
Arthur E. Shearin, B. S., *Jr. Soil Surv.*
Leslie R. Smith, B. S., *Jr. Soil Surv.*
John T. Miller, B. S., *Jr. Soil Surv.*

Soil Erosion Investigation.

Kansas—Hays:
R. H. Davis, B. S., *Asst. Sci. in Soil Erosion.*
Oklahoma—Guthrie:
S. W. Phillips, B. S., M. S., *Sci. in Soil Erosion.*
Texas—Temple:
H. V. Geib, B. S., *Sci. in Soil Erosion.*

Peat Investigation.

Alfred P. Dachnowski Stokes, A. M., Ph. D.,
Physiol.

SOIL MICROBIOLOGY

Charles Thom, A. B., A. M., Ph. D., *Prin. Mycol., in charge.*

Myecology.

Charles Thom, A. B., A. M., Ph. D., *Prin. Mycol.*
Kenneth Raper, A. B., *Jr. Mycol.*

Soil Bacteriology Investigations.

Nathan R. Smith, B. S., *Sr. Bact.*
H. Humfeld, B. S., Ph. D., *Asst. Bact.*
Daniel Ready, *Sci. Aid.*
Geo. W. Irving, jr., *Under Sci. Helper.*

Legume Bacteria.

Lewis T. Leonard, B. S., M. A., *Bact.*
Franklin W. Marsh, B. S., *Jr. Bact.*
Samuel H. Newcome, *Under Sci. Helper.*

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Oswald Schreiner, B. S., M. S., Ph. D., *Prin. Biochem., in charge.*

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Bailey E. Brown, B. S., M. S., *Sr. Biochem.*
Joshua J. Skinner, B. S., M. S., Ph. D., *Sr. Biochem.*

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Lewis A. Hurst, B. S., *Biochem.*
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Sugar Cane Soil Studies.

Louisiana—Houma:

Nelson McKaig, Jr., M. A., M. S., *Assoc. Soil Tech.*

A. M. O'Neal, B. S., *Agent.*

Pecan Soil Studies.

Louisiana—Shreveport:

Arthur O. Alben, B. S., M. S., Ph. D., *Asst. Soil Tech.*

Strawberry Soil Studies.

North Carolina—Chadbourn.

R. E. Lineberry, B. S., M. S., Ph. D., *Asst. Chem.*

Sand Hill Station.

South Carolina—Columbia:

James E. Adams, A. B., M. S., *Assoc. Soil Tech.*

Wm. M. Quattlebaum, B. S., *Agent.*

Cotton Root-rot Studies.

Texas—Austin:

Paul R. Dawson, A. B., M. A., *Assoc. Biochem.*

H. V. Jordan, B. S., M. A., *Assoc. Soil Tech.*

E. R. Collins, B. S., M. S., Ph. D., *Asst. Soil Tech.*

G. T. Atkins, B. S., *Jr. Chem.*

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Edmund C. Shorey, A. B., M. A., D. Sc., *Sr. Biochem.*

G. P. Walton, B. S., M. A., *Assoc. Chem.*

R. D. Deemer, B. S., *Asst. Biochem.*

Wilbur R. Leighty, B. S., M. S., *Asst. Biochem.*

R. F. Gardiner, B. S., M. S., *Asst. Chem.*

J. B. Martin, A. B., M. S., *Asst. Chem.*

John A. Schricker, *Jr. Sci. Aid.*

Soil Reaction Studies.

Edward F. Snyder, B. S., *Asst. Biochem.*

Greenhouse Studies.

Fred R. Reid, *Asst. Biochem.*

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L. E. Shupe, A. B., *Jr. Sci. Aid.*

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- P. H. Emmett, B. S., Ph. D., *Assoc. Chem.*
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 S. Brunauer, A. B., M. S., *Jr. Chem.*

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- E. P. Bartlett, A. B., M. A., Ph. D., *Sr. Chem.*
 H. C. Hetherington, A. B., A. M., *Assoc. Chem.*
 H. M. Kvalnes, A. B., Ph. D., *Asst. Chem.*
 T. H. Tremearne, *Jr. Chem. Engr.*
 C. W. Gelhaus, B. S., *Asst. Chem.*
 Mary K. Murray*, B. S., *Jr. Chem.*
 E. Z. Kibbe, A. B., *Jr. Chem.*

X-ray.

- S. B. Hendricks, B. Ch. E., M. S., Ph. D., *Assoc. Chem.*
 P. R. G. Kosting, B. S., M. Ch. E., Ph. D., *Asst. chem*
 M. E. Jefferson, *Minor Lab. Appren.*

Ionization and Activation.

- A. K. Brewer, M. S., Ph. D., *Assoc. Phys.*
 E. S. Lamar, A. B., A. M., *Jr. Phys.*
 R. A. Nelson, *Asst. Sci. Aid.*
 J. W. Westhaver, *Asst. Sci. Aid.*

DIVISION OF FERTILIZER TECHNOLOGY

—, *In charge.*

Transformation of Nitrogen Compounds.

- H. J. Krase, B. S., M. S., L. L. B., M. P. L., *Sr. Chem. Engr.*
 R. O. E. Davis, Ph. B., Ph. D., *Sr. Chem.*
 K. G. Clark, B. S., Ch. E., M. S., *Asst. Chem.*
 W. Scholl, Ch. E., *Asst. Chem.*
 V. L. Gaddy, A. B., *Jr. Chem.*
 C. A. Black, A. B., M. S., *Jr. Chem. Engr.*

Economics.

- P. E. Howard, B. S., *Sr. Chem. Engr.*

Potash.

- J. W. Turrentine, Ph. B., M. S., Ph. D., *Sr. Chem.*

Potash—Continued.

- P. H. Royster, A. B., M. A., *Assoc. Chem. Engr.*
 E. J. Fox, A. B., M. S., *Assoc. Chem.*
 J. R. Adams, B. Chem., *Asst. Chem.*
 J. C. Bryan, *Minor Sci. Helper.*

Phosphorus.

- K. D. Jacob, B. S., M. S., *Assoc. Chem.*
 W. L. Hill, B. S., *Asst. Chem.*
 H. E. Patten, A. B., A. M., Ph. D., *Asst. Chem.*
 M. Leatherman, B. A., Ph. D., *Asst. Chem.*
 D. S. Reynolds, B. S., *Asst. Chem.*

Concentrated Fertilizers.

- W. H. Ross, B. S., M. S., Ph. D., *Sr. Chem.*
 A. R. Merz, B. S., M. S., Ph. D., *Assoc. Chem.*
 C. W. Whittaker, A. B., M. S., Ph. D., *Assoc. Chem.*
 A. L. Mehring, A. B., *Asst. Chem.*
 F. O. Lundstrom, A. B., M. S., *Asst. Chem.*

Mechanical Engineering.

- W. L. Edwards, C. E., *Assoc. Engr.*
 J. R. Dilley, M. E., *Assoc. Mech. Engr.*
 Constance Sherry*, *Asst. Draftsman.*

DIVISION OF BIOLOGICAL AND ORGANIC BIOCHEMICAL FIXATION

—, *In charge.*

Biochemical Fixation.

- F. E. Allison, B. S., M. S., Ph. D., *Sr. Chem.*
 D. Burk, B. S., Ph. D., *Assoc. Phys. Chem.*
 C. A. Ludwig, B. S. A., M. S. A., Ph. D., *Assoc. Plant Phys.*
 H. J. Morris, *Under Lab. Appren.*

Relation of Free Nitrogen to Organic Compounds.

- C. Iddings, B. S., Ph. D., *Sr. Chem.*
 F. M. Schertz, B. S., M. A., Ph. D., *Assoc. Biochem.*
 L. A. Pinck, B. S., Ch. E., M. S., *Asst. Chem.*
 R. W. Harkness, B. S., Ch. E., Ph. D., *Asst. Chem.*

Service.

- H. Bryan, *Assoc. Mech. Engr.*
 J. F. Mullins, *Chief Engr. Aid.*
 L. Testa, *Prin. Glassblower.*
 J. Reuter, *Prin. Instrument maker.*

BUREAU OF ENTOMOLOGY

- C. L. Marlatt, M. S. Sc. D., *Chief.*
 A. L. Quaintance, M. S., D. Sc., *Assoc. Chief.*
 J. E. Graf, A. B., *Asst. Chief.*

BUSINESS ADMINISTRATION

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 J. E. Andrews, *Aud.*
 H. T. Sinclair, *Chief Acct.*
 S. B. Walker, *Purchasing Off.*
 M. W. Ely, *Personnel Clerk.*
 P. J. Boisseau, *Admin. Clerk.*

Information and Library.

- A. L. Quaintance, *Assoc. Chief of Bureau, in charge.*

Information and Editorial Work.

- Rolla P. Currie, B. A., *Assoc. Ent., in charge.*
 J. P. Schumacher, A. B., *Asst. Ed.*
 A. L. Colton, Ph. B., A. M., *Jr. Ed.*

Information and Editorial Work—Continued.

- W. E. McBath, M. A., *Jr. Ed.*
 J. G. Pratt, *Prin. Photographer.*
 W. N. Dovernor, *Chief Sci. Illustr.*

Library.

- Mabel Colcord, A. B., B. L. S., *Assoc. Libr., in charge.*
 Ina L. Hawes, B. S., *Jr. Libr.*
 Angelina Carabelli, *Libr. Asst.*

DECIDUOUS-FRUIT INSECTS

- A. L. Quaintance, M. S., D. Sc., *Assoc. Chief of Bureau, in charge.*
 B. A. Porter, B. S., Ph. D., *Ent.*

C. F. Stoneburner, *Asst. Sci. Aid.*
 Abby Holdridge, *Jr. Sci. Aid.*

Orchard Insecticides.

F. L. Campbell, M. S., D. Sc., *Assoc. Ent.*
 J. W. Bulger, M. A., Ph. D., *Assoc. Ent.*
 H. H. Shepard, M. S., *Asst. Ent.*
 Carlo Zeimet, *Asst. Bibl. Ent.*

FIELD LABORATORY.

Maryland—Sligo (post office, Silver Spring):
 N. E. McIndoo, A. M., Ph. D., *Sr. Ent.*

Apple Insects.

P. W. Mason, M. S., Ph. D., *Assoc. Ent. (aphid studies).*

FIELD LABORATORIES.

Arkansas—Bentonville:
 A. J. Ackerman, M. S., *Ent., in charge.*
 Indiana—Vincennes:
 R. F. Szama, B. S., *Jr. Ent., acting in charge.*
 Kansas—Wichita: *
 Paul M. Gilmer, A. B., Ph. D., *Assoc. Ent., in charge.*
 H. G. Butler, M. S., *Asst. Ent.*
 Maryland—Sligo (post office, Silver Spring):
 E. H. Siegler, M. S., *Sr. Ent.*
 Luther Brown, B. S., *Assoc. Ent.*
 Washington—Yakima:
 E. J. Newcomer, A. B., *Sr. Ent., in charge.*
 M. A. Yothers, M. S., *Assoc. Ent.*

Grape Insects.

FIELD LABORATORY.

Ohio—Sandusky:
 G. A. Runner, *Assoc. Ent., in charge.*

Nut Insects.

FIELD LABORATORIES.

Georgia:
 Albany—
 G. F. Moznette, B. S., *Ent., in charge.*
 H. S. Adair, B. S., *Asst. Ent.*
 Experiment (branch of Albany, Ga., lab.)—
 T. L. Bissell, M. S., *Asst. Ent.*
 Texas—Brownwood (branch of Albany, Ga., lab.):
 C. B. Nickels, M. S., *Assoc. Ent.*
 C. C. Pinkney, B. S., *Jr. Ent.*
 West Virginia—French Creek:
 F. E. Brooks, *Assoc. Ent., in charge.*

Peach Insects.

FIELD LABORATORIES.

Georgia—Fort Valley:
 O. I. Snapp, M. S., *Ent., in charge.*
 Indiana—Vincennes:
 Wm. P. Yetter, Jr., M. S., *Assoc. Ent.*
 New Jersey—Moorestown:
 H. W. Allen, Ph. D., *Ent., in charge of peach moth inv.*
 G. J. Haeussler, B. S., *Asst. Ent.*
 J. W. Lipp, M. S., *Asst. Ent.*

Blueberry Maggot.

FIELD LABORATORY.

Maine—Cherryfield:
 F. H. Lathrop, B. S., Ph. D., *Sr. Ent., in charge.*
 L. C. McAlister, Jr., B. S., *Asst. Ent.*

Japanese and Asiatic Beetles (hdqrs., Moorestown, N. J.).

FIELD LABORATORIES.

India—Shillong (branch of Yokohama, Japan, lab.):
 L. B. Parker, B. S., *Jr. Ent.*
 Japan—Yokohama:
 T. R. Gardner, B. S., *Assoc. Ent., in charge.*
 New Jersey—Moorestown (hdqrs.):
 Loren B. Smith, B. S., *Prin. Ent., in charge.*
 J. L. King, M. S., *Sr. Ent.*
 W. E. Fleming, B. S., Ph. D., *Assoc. Ent.*
 Henry Fox, B. S., Ph. D., *Assoc. Ent.*
 B. R. Leach, B. S., *Assoc. Ent.*
 E. R. Van Leeuwen, B. S., *Assoc. Ent.*
 G. E. Spencer, M. S., *Assoc. Ent.*
 F. W. Metzger, B. S., *Asst. Ent.*
 J. K. Holloway, B. S., *Asst. Ent.*
 Robert W. Burrell, B. S., *Jr. Ent.*
 F. E. Baker, B. S., *Asst. Ent.*
 R. L. Coffin, *Agt.*
 R. J. Sim, *Agt.*
 P. A. van der Meulen, B. S., Ph. D., *Agt.*
 R. Wagner, *Agt.*
 A. R. Whitcraft, *Agt.*
 C. H. Ballou, *Agt.*
 F. E. Merhoff, B. S., M. E., *Agt.*
 H. R. Reidenbaker, *Agt.*
 M. M. Haines, *Agt.*
 D. H. Grant, M. S., *Agt.*
 New York—Westbury (Asiatic beetle): H. C. Hallock, LL. B., M. S., *Assoc. Ent., in charge.*

Plant Disinfection Investigations.

FIELD LABORATORY.

New Jersey—Moorestown:
 W. E. Fleming, B. S., Ph. D., *Assoc. Ent., in charge.*
 M. R. Osborn, M. S., *Asst. Ent.*
 M. C. Swingle, B. S., *Asst. Ent.*

CEREAL AND FORAGE INSECTS

W. H. Larrimer, M. S., Ph. D., *Prin. Ent., in charge.*

W. R. Walton, *Sr. Ent.*

J. S. Wade, *Assoc. Ent.*

Esther H. Hart, A. B., *Prin. Sci. Illustr.*

Nettie S. Klopfer, * *Under Sci. Helper.*

General Cereal and Forage Insects.

FIELD LABORATORIES.

Arizona—Tempe (clover and alfalfa seed chalcis, corn earworm, alfalfa caterpillar, grasshoppers, and plant-lice):

V. L. Wildermuth, B. S., *Ent., in charge.*

E. E. Russell, *Asst. Ent.*

J. C. Frankenfeld, M. S., *Asst. Ent.*

E. G. Davis, B. S., *Jr. Ent.*

California—Sacramento (grasshoppers, Hessian fly, wireworms, and range craneflies):

R. A. Blanchard, A. B., *Assoc. Ent., in charge.*

C. C. Wilson, B. S., *Asst. Ent.*

Indiana—West Lafayette (Hessian fly, sod webworms, lesser clover leaf weevil, grasshoppers, and chinch bug):

C. M. Packard, M. S., *Sr. Ent., in charge.*

H. R. Painter, M. S., *Assoc. Ent.*

W. B. Noble, B. S., *Asst. Ent.*

Curtis Benton, M. S., *Jr. Ent.*

General Cereal and Forage Insects—Continued.**FIELD LABORATORIES—Continued.**

Iowa—Sioux City (pale western cutworm, chinch bug, Hessian fly, and wheat stem sawfly):

C. N. Ainslie, M. A., *Asst. Ent., in charge.*

Kansas—Wichita (Hessian fly, chinch bug, green bug, white grubs, and false wire-worms):

J. R. Horton, B. S., *Ent., in charge.*

E. T. Jones, A. M., *Asst. Ent.*

H. S. Hollingsworth, B. S., *Jr. Ent.*

H. H. Walkden, B. S., *Asst. Ent.*

Missouri—Webster Groves (Hessian fly, bill-bugs, wheat jointworm, strawworms, and chinch bug):

A. F. Satterthwait, *Assoc. Ent., in charge.*

R. C. Lange, *Asst. Sci. Aid.*

Montana—Billings (grasshoppers and crickets):

——— *Assoc. Ent., in charge.*

R. L. Shotwell, A. B., *Asst. Ent.*

Oregon—Forest Grove (clover root borer, wire-worms, Hessian fly, wheat midge, plant-lice, and grasshoppers):

L. P. Rockwood, B. S., *Ent., in charge.*

T. R. Chamberlin, B. S., *Assoc., Ent.*

M. M. Reeher, A. B., *Asst. Ent.*

Pennsylvania—Carlisle (Hessian fly and its parasites):

C. C. Hill, B. S., *Assoc. Ent., in charge.*

J. T. Pinckney, B. S., *Asst. Ent.*

E. D. Eaton, B. S., *Jr. Ent.*

Texas:

Beaumont (branch of New Orleans, La., lab.) (Sugar-cane moth borer)—

A. I. Balzer, B. S., *Asst. Ent.*

San Antonio (sorghum midge, grasshoppers, green bug, and southwestern corn borer)—

E. V. Waite, B. S., *Assoc. Ent., in charge.*

A. A. Mathewson, M. S., *Asst. Ent.*

Utah—Salt Lake City (alfalfa weevil and its parasites):

G. I. Reeves, A. B., *Sr. Ent., in charge.*

I. M. Hawley, Ph. D., *Sr. Ent.*

J. C. Hamlin, M. S., *Assoc. Ent.*

S. J. Snow, A. B., *Asst. Ent.*

F. H. Harries, M. A., *Jr. Ent.*

Virginia:

Rosslyn (Arlington Exp. Farm) (leaf hoppers and other forage-crop insects)—

J. W. Poos, M. A., Ph. D., *Sr. Ent., in charge.*

F. F. Smith, B. S., Ph. D., *Assoc. Ent.*

Charlottesville (wheat jointworm, corn earworm, and larger cornstalk borer)—

W. J. Phillips, Ph. D., *Sr. Ent., in charge.*

John C. Shiver, B. S., *Jr. Ent.*

Richmond (branch of Charlottesville, Va., lab.)—

G. W. Barber, M. S., D. Sc., *Assoc. Ent.*

Sugar Cane, Corn, and Rice Insects.**FIELD LABORATORIES.**

Argentina—Tucuman:

H. A. Jaynes, B. S., *Assoc. Ent.*

Louisiana:

Crowley (under direction of Sr. Ent. in charge of New Orleans, La., lab.) (rice insects)—

W. A. Douglas, B. S., *Jr. Ent.*

Sugar Cane, Corn, and Rice Insects—Continued.**FIELD LABORATORIES—Continued.**

Louisiana—Continued.

New Orleans—

T. E. Holloway, B. S., *Sr. Ent., in charge.*

W. E. Haley, *Prin. Sci. Aid.*

J. W. Ingram, B. S., *Asst. Ent.*

European Corn Borer.**FIELD LABORATORIES**

France—Hyères, Var (parasites of corn borer):

H. L. Parker, B. S., D. Sc., *Ent., in charge.*

A. M. Vance, B. S., *Asst. Ent.*

H. D. Smith, B. S., *Asst. Ent.*

Japan—Yokohama:

W. B. Cartwright, B. S., *Ent.*

Massachusetts—Arlington:

D. J. Caffrey, B. S., *Sr. Ent., in charge of research.*

D. W. Jones, B. S., *Ent.*

K. W. Babcock, B. S., *Assoc. Ent.*

C. H. Batchelder, M. S., Ph. D., *Assoc. Ent.*

B. E. Hodgson, B. S., *Assoc. Ent.*

S. M. Dohanian, *Assoc. Ent.*

W. G. Bradley, B. S., *Asst. Ent.*

R. A. Biron, B. S., *Jr. Ent.*

C. A. Clark, B. S., *Jr. Ent.*

R. C. Ellis, *Asst. Ent.*

D. D. Questel, B. S., *Jr. Ent.*

F. S. Vidler, *Sr. Mech.*

H. J. Cronin, *Sr. Sci. Aid.*

Michigan—Monroe:

Philip Luginbill, A. M., Ph. D., *Assoc. Ent., in charge.*

F. L. Simanton, A. M., *Assoc. Ent.*

W. A. Baker, B. S., *Assoc. Ent.*

F. F. Dicke, B. S., *Jr. Ent.*

L. G. Jones, B. S., *Jr. Ent.*

K. D. Arbuthnot, B. S., *Jr. Ent.*

G. T. Bottger, B. S., *Jr. Ent.*

New York—Silver Creek:

L. B. Scott, B. S., *Asst. Ent., in charge.*

Ohio:

Sandusky—

L. H. Patch, B. S., *Assoc. Ent., in charge.*

G. W. Still, B. S., *Asst. Ent.*

C. A. Crooks, B. S., *Jr. Ent.*

T. V. Henneberry, B. S., *Jr. Ent.*

Toledo—

Morris Schlosberg, M. S., *Asst. Ent., in charge.*

J. C. Silver, B. S., *Asst. Ent.*

COTTON INSECTS

(Hdqrs., Tallulah, La.)

B. R. Coad, *Prin. Ent., in charge.*

FIELD LABORATORIES.

Arizona—Tucson:

T. P. Cassidy, B. S., *Ent., in charge.*

G. L. Smith, B. S., *Asst. Ent.*

A. J. Chapman, B. S., *Jr. Ent.*

H. C. Young, B. S., *Jr. Ent.*

W. A. Stevenson, B. S., *Jr. Ent.*

Louisiana—Tallulah (hdqrs.):

B. R. Coad, *Prin. Ent., in charge.*

J. W. Folsom, Sc. B., Sc. D., *Sr. Ent.*

R. C. Gaines, B. S., *Assoc. Ent.*

E. W. Dunnam, B. S., *Assoc. Ent.*

FIELD LABORATORIES—Continued.

Louisiana—Tallulah (hdqrs.)—Continued.

M. T. Young, B. S., *Assoc. Ent.*F. H. Tucker, *Sr. Chem.*G. A. Maloney, *Asst. Ent.*W. S. Cook, M. A., *Asst. Micros.*R. W. Moreland, B. S., *Asst. Ent.*K. P. Ewing, B. S., *Asst. Ent.*J. C. Pearson, B. S., *Jr. Chem.*P. A. Glick, A. B., M. S., *Asst. Ent.*G. L. Garrison, *Sr. Sci. Aid.*

South Carolina—Florence:

F. F. Bondy, B. S., *Asst. Ent.*

Texas:

Brownsville—

T. C. Barber, B. S., *Asst. Ent., in charge.*

El Paso—

F. A. Fenton, M. A., Ph. D., *Sr. Ent., in charge.*C. S. Rude, M. S., *Asst. Ent.*

FOREST INSECTS

F. C. Craighead, B. A., M. S., Ph. D., *Prin. Ent., in charge.*

Western Bark Beetles.

FIELD LABORATORIES.

California—Palo Alto:

J. M. Miller, B. S., *Sr. Ent., in charge.*H. E. Burke, M. S., Ph. D., *Sr. Ent.*H. L. Person, M. S., *Asst. Ent.*W. D. Edmonston, *Assoc. Ent.*Albert Wagner, *Sr. Sci. Aid.*

Idaho—Coeur d'Alene:

J. C. Evenden, B. S., *Ent., in charge.*A. L. Gibson, B. S., *Asst. Ent.*H. J. Rust, *Sr. Sci. Aid.*D. DeLeon, B. S., *Asst. Ent.*L. S. Baurhofer, B. S., *Jr. Ent.*

Forest-Tree Insects.

FIELD LABORATORIES.

Massachusetts—Amherst:

H. J. MacAloney, M. F., B. S., Ph. D., *Asst. Ent., in charge.*

Michigan—Ann Arbor:

S. A. Graham, B. S., M. F., Ph. D., *Agt., in charge.*

Oregon—Portland:

F. P. Keen, B. S., *Ent., in charge.*J. A. Beal, B. S., *Asst. Ent.*I. J. Hastings, *Agt.*

North Carolina—Asheville:

— *Asst. Ent., in charge.*

Virginia—East Falls Church:

R. A. St. George, M. S., *Assoc. Ent., in charge.*

Forest-Product Insects.

T. E. Snyder, B. A., M. F., Ph. D., *Sr. Ent.*

Shade-Tree Insects.

William Middleton, B. A., *Assoc. Ent.*

Gipsy Moth and Brown-Tail Moth.

FIELD LABORATORY.

Massachusetts—Melrose Highlands:

C. W. Collins, M. S., *Sr. Ent.*T. H. Jones, B. S., *Sr. Ent.*C. F. W. Muesebeck, B. S., *Sr. Ent.*R. T. Webber, *Assoc. Ent.*

Gipsy-Moth and Brown-Tail Moth—Continued.

FIELD LABORATORY—Continued.

Massachusetts—Melrose Highlands—Contd.

C. E. Hood, B. S., *Assoc. Ent.*M. T. Smulyan, B. S., Ph. D., *Asst. Ent.*J. V. Schaffner, jr., *Asst. Ent.*D. F. Barnes, B. S., *Asst. Ent.*P. B. Dowden, B. S., *Asst. Ent.*W. F. Sellers, B. S., *Asst. Ent.*S. F. Potts, M. S., *Asst. Ent.*R. C. Brown, B. S., *Asst. Ent.*D. L. Parker, B. S., *Jr. Ent.*A. B. Proper, M. S., *Jr. Ent.*C. M. Symonds, *Agt.*R. Wooldridge, *Prin. Sci. Aid.*I. T. Guild, *Sr. Sci. Aid.*J. E. R. Holbrook, *Sr. Sci. Aid.*J. A. Millar, *Sr. Sci. Aid.*C. L. Griswold, *Asst. Sci. Aid.*

TRUCK-CROP INSECTS

J. E. Graf, A. B., *Prin. Ent., in charge.*W. H. White, B. S., *Ent.*Mary F. Benson, * *Sci. Illustr.*

Taxonomy of Truck-Crop Insects.

F. H. Chittenden, Sc. D., *Sr. Ent.*Doris H. Blake, * A. M., *Asst. Ent.*

Miscellaneous Truck-Crop Insects.

FIELD LABORATORIES.

California:

Garden Grove (branch of Alhambra, Calif., lab.)—

J. C. Elmore, B. S., *Asst. Ent.*A. C. Davis, B. S., *Agt.*

San Jose (branch of Alhambra, Calif., lab.)—

O. W. Lovell, B. S., *Agt.*

Louisiana—Baton Rouge:

C. E. Smith, M. S., *Assoc. Ent., in charge.*Norman Allen, M. S., *Jr. Ent.*

Mississippi—Gulfport:

M. M. High, B. S., *Assoc. Ent., in charge.*

North Carolina—Chadbourn:

W. A. Thomas, B. S., *Asst. Ent., in charge.*W. J. Reid, jr., B. S., *Asst. Ent.*

Pennsylvania—Philadelphia:

D. E. Fink, M. S., Ph. D., *Ent., in charge.*

Washington—Puyallup:

S. E. Crumb, A. B., *Ent., in charge.*C. W. Getzendaner, B. S., *Jr. Ent.*

Sugar-Beet Insects.

FIELD LABORATORIES.

California:

Berkeley (branch of Twin Falls, Idaho, lab.)—

Olive Swezy, M. S., Ph. D., *Agt.*

Davis (branch of Twin Falls, Idaho, lab.)—

P. N. Annand, M. A., Ph. D., *Assoc. Ent.*

Idaho—Twin Falls:

Walter Carter, M. S., Ph. D., *Ent., in charge.*J. C. Chamberlin, M. A., Ph. D., *Assoc. Ent.*C. F. Henderson, M. S., *Asst. Ent.*H. E. Wallace, M. S., *Asst. Ent.*F. B. Hinnenkamp, B. A., *Jr. Ent.*

Oregon—Hermiston (branch of Twin Falls, Idaho, lab.):

O. A. Hills, B. S., *Jr. Ent.*

Sugar-Beet Insects—Continued.**FIELD LABORATORIES—Continued.****Utah:**

Richfield (branch of Twin Falls, Idaho, lab.)—

E. W. Davis, M. S., *Asst. Ent.*

D. E. Fox, M. S., *Jr. Ent.*

Salt Lake City (branch of Twin Falls, Idaho, lab.)—

W. A. Shands, M. S., *Asst. Ent.*

Soil Insects.**FIELD LABORATORIES.****California—Alhambra:**

R. E. Campbell, M. S., *Assoc. Ent., in charge.*

M. W. Stone, B. S., *Jr. Ent.*

Washington:

Toppenish (branch of Walla Walla, Wash., lab.)—

F. H. Shirck, M. S., *Asst. Ent.*

Walla Walla—

M. C. Lane, B. S., *Assoc. Ent., in charge.*

K. E. Gibson, B. S., *Jr. Ent.*

Sweet-Potato Weevil Control.**FIELD OFFICES.**

Alabama—Grand Bay (branch of Biloxi, Miss., office):

S. C. Brummitt, *Sr. Sci. Aid.*

Florida:**Sanford—**

W. E. Stone, B. S., *Assoc. Ent., in charge.*

(Temporarily detailed to Mediterranean Fruit Fly Inv., Orlando, Fla.)

C. O. Bare, M. A., *Asst. Ent.*

C. B. Wisecup, M. S., *Jr. Ent.*

E. C. Tatman, *Asst. Sci. Aid.*

Mississippi:

Bay St. Louis (branch of Biloxi office)—

F. A. Wright, B. A., *Jr. Ent.*

Biloxi—

K. L. Cockerham, M. S., *Assoc. Ent., in charge.*

O. T. Deen, B. S., *Jr. Ent.*

Picayune (branch of Biloxi office)—

P. K. Harrison, B. S., *Jr. Ent.*

M. Brunson, B. S., *Jr. Ent.*

Pea Insects.**FIELD LABORATORY.****Wisconsin—Madison:**

J. E. Dudley, jr., M. S., *Ent., in charge.*

E. M. Searls, M. S., *Asst. Ent.*

Alfred Weed, M. S., D. Sc., *Agt.*

Berry Insects.**FIELD LABORATORY.**

Maryland—Sligo (post office, Silver Spring):

C. H. Popenoe, B. S., *Assoc. Ent., in charge.*

Tobacco Insects.**FIELD LABORATORIES.**

Arizona—Tempe (branch of Clarksville, Tenn., lab.):

K. B. McKinney, B. S., *Asst. Ent.*

Florida—Quincy (branch of Clarksville, Tenn., lab.):

F. S. Chamberlin, B. S., *Assi. Ent.*

North Carolina—Chadbourn (branch of Clarksville, Tenn., lab.):

J. N. Tenhet, B. S., *Asst. Ent.*

Tobacco Insects—Continued.**FIELD LABORATORIES—Continued.****Tennessee—Clarksville:**

A. C. Morgan, B. S., *Ent., in charge.*

J. U. Gilmore, B. S., *Asst. Ent.*

Joe Milam, *Prin. Sci. Aid.*

Mexican Bean Beetle.**FIELD LABORATORIES.**

Mexico—San Jacinto, D. F. (branch of Columbus, Ohio, lab.):

B. J. Landis, M. S., *Asst. Ent.*

New Mexico—Estancia (branch of Columbus, Ohio, lab.):

J. R. Douglass, M. S., *Asst. Ent. in charge.*

New York—Geneva (branch of Columbus, Ohio, lab.):

Rodney Cecil, M. S., *Asst. Ent.*

Ohio—Columbus:

N. F. Howard, M. S., Ph. D., *Sr. Ent., in charge.*

Virginia—Norfolk (branch of Columbus, Ohio, lab.):

L. U. Brannon, B. S., *Asst. Ent.*

Mushroom Insects.**FIELD LABORATORY.**

Virginia—Rosslyn (Arlington Exp. Farm):

O. E. Gahn, M. S., *Asst. Ent.*

BEE CULTURE

J. I. Hambleton, B. S., *Sr. Apicult., in charge.*

Behavior of Bees

W. J. Nolan, A. M., *Apicult.*

Bee Diseases.

C. E. Burnside, M. S., Ph. D., *Asst. Apicult.*

Beekeeping Regions.

E. L. Sechrist, B. A., *Assoc. Apicult.*

Intermountain Bee Culture.**FIELD LABORATORY.****Wyoming—Laramie:**

A. P. Sturtevant, A. B., Ph. D., *Assoc. Apicult., in charge.*

J. E. Eckert, M. S., *Assoc. Apicult.*

Southern States Bee Culture.**FIELD LABORATORY.****Louisiana—Baton Rouge:**

Warren Whitecomb, jr., M. S., Ph. D., *Asst. Apicult. in charge.*

Everett Oertel, B. S., Ph. D., *Asst. Apicult.*

STORED-PRODUCT INSECTS

(Including household insects)

E. A. Back, B. S., Ph. D., *Prin. Ent., in charge.*

R. T. Cotton, M. S., Ph. D., *Sr. Ent.*

H. B. Bradford, *Chief Sci. Illustr.*

Marion T. Van Horn, *Jr. Sci. Aid.*

Grain Insects.**FIELD LABORATORIES.****Georgia—Thomasville:**

S. E. McClendon, B. S., *Asst. Ent., in charge.*

Maryland—Sligo (post office, Silver Spring):

G. W. Ellington, B. S., *Asst. Ent.*

Flour-Mill Insects.**FIELD LABORATORY.**

Missouri—Kansas City:

————— *Assoc. Ent.*

Bean Weevils.

FIELD LABORATORY.

California—Modesto:

- A. O. Larson, M. S., *Assoc. Ent., in charge.*
C. K. Fisher, B. S., *Asst. Ent.*

Dried-Fruit Insects.

FIELD LABORATORY.

California—Fresno:

- Perez Simmons, B. S., *Ent., in charge.*
W. D. Reed, B. S., *Assoc. Ent.*

TROPICAL, SUBTROPICAL, AND ORNAMENTAL PLANT INSECTS

A. C. Baker, B. S. A., Ph. D., *Prin. Ent., in charge.*

C. A. Weigel, M. S., Ph. D., *Sr. Ent.*

Eva B. Fitzgerald*, B. A., *Sr. Sci. Aid.*

Insects Affecting Ornamentals.

FIELD LABORATORIES.

California—Whittier (bulb insects):

- F. R. Cole, A. M., Ph. D., *Assoc. Ent., in charge.*
R. Latta, Jr. *Ent.*

Louisiana—New Orleans:

- C. I. Bliss, M. S., Ph. D., *Ent., in charge.*
A. W. Cressman, B. S., *Assoc. Ent.*
Bessie M. Broadbent, B. S., *Asst. Ent.*
Mary L. Tillotson, B. S., *Sr. Sci. Aid.*

Washington—Sumner (bulb insects):

- C. F. Doucette, B. S., *Assoc. Ent., in charge.*
F. G. Spruijt, *Asst. Ent.*

Citrus Insects.

FIELD LABORATORIES.

California—Lindsay:

- E. A. McGregor, A. M., *Assoc. Ent., in charge.*

Florida—Orlando:

- W. W. Yothers, B. S., A. B., *Ent., in charge.*
O. C. McBride, B. S., M. A., *Assoc. Ent.*

Fruit Flies.

FIELD LABORATORIES.

Canal Zone—Ancon:

- James Zetek, A. B., *Assoc. Ent., in charge.*
Ignacio Molino, LL. D., *Sci. Aid.*

Hawaii—Honolulu:

- A. C. Mason, M. S., *Assoc. Ent., in charge.*

Mexico (Mexican fruit worm):

- Cuernavaca (branch of Mexico City, Mex., lab.)—
Miyauoto McPhail, B. S., *Asst. Ent.*
Mexico City—
C. I. Bliss, M. S., Ph. D., *Ent., acting in charge.*

Parlatoria Date Scale.

FIELD HEADQUARTERS.

California—Indio:

- F. S. Stickney, M. S., Ph. D., *Assoc. Ent., in charge.*

TAXONOMY AND INTERRELATIONS OF INSECTS

C. L. Marlatt, M. S., Sc. D., *Chief of Bureau, in charge.*

Taxonomy of Insects.

Harold Morrison, A. M., Sc. D., *Sr. Ent., in charge.*

Eleanor T. Armstrong, *Sr. Sci. Illustr.*

Taxonomy of Insects—Continued.

Marjorie H. Ellis, B. A., *Sr. Sci. Aid.*

Louise M. Russell, M. S., *Sr. Sci. Aid.*

Ida Weckerly, A. B., *Sr. Sci. Aid.*

Francis H. Noyes, *Asst. Sci. Illustr.*

Edna E. Sellens, Jr. *Sci. Aid.*

Janet W. Armstrong, *Under Sci. Helper.*

Lucy Bonham, A. B., *Under Sci. Helper.*

Nettie E. Crocker*, *Under Sci. Helper.*

Marjorie Ross Jones, A. B., *Under Sci. Helper.*

Catherine V. Locke*, *Under Sci. Helper.*

Nellie D. McConnell*, *Under Sci. Helper.*

Eunice Myers, *Under Sci. Helper.*

Mildred E. Shields*, *Under Sci. Helper.*

(1) Coleoptera.

A. G. Böving, B. Ph., M. S., Ph. D., *Sr. Ent.*

E. A. Chapin, Ph. B., M. S., Ph. D., *Assoc. Ent.*

H. S. Barber, *Assoc. Ent.*

W. S. Fisher, *Assoc. Ent.*

L. L. Buchanan, B. A., *Assoc. Ent.*

(2) Lepidoptera.

Win. Schaus, M. A., D. Sc., *Assoc. Ent.*

Carl Heinrich, *Assoc. Ent.*

August Busck, *Assoc. Ent.*

(3) Diptera.

C. T. Greene, *Assoc. Ent.*

(4) Hymenoptera.

A. B. Gahan, M. S., *Sr. Ent.*

R. A. Cushman, *Assoc. Ent.*

Grace A. Sandhouse, A. M., *Asst. Ent.*

(5) Orthoptera and Neuroptera.

A. N. Caudell, M. S., *Assoc. Ent.*

(6) Ectoparasites and Mites.

H. E. Ewing, M. A., Ph. D., *Assoc. Ent.*

(7) Coccidae.

Harold Morrison, A. M., Sc. D., *Sr. Ent.*

Grace E. Glance, B. S., *Jr. Ent.*

Bioclimatics.

West Virginia—Mineral Wells (bdqis.):

A. D. Hopkins, Ph. D., *Prin. Ent. in charge.*

M. A. Murray, *Sr. Sci. Aid.*

Insect Pathology and Morphology.

G. F. White, B. S., Ph. D., M. D., *Sr. Path., in charge of insect pathology.*

R. E. Snodgrass, A. B., *Sr. Ent., in charge of insect morphology.*

Exchange of Useful Insects: History of Economic Entomology.

L. O. Howard, M. S., Ph. D., M. D., LL. D., Sc. D., *Prin. Ent., in charge.*

Insect Pest Survey.

J. A. Hyslop, M. S., *Sr. Ent., in charge.*

F. M. Wadley, M. S., Ph. D., *Assoc. Ent.*

INSECTS AFFECTING MAN AND ANIMALS

F. C. Bishopp, M. S., *Prin. Ent., in charge.*

J. L. Webb, M. S., *Assoc. Ent.*

Insects Affecting Animals.

FIELD LABORATORIES.

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E. W. Laake, B. S., *Assoc. Ent.*

W. E. Dove B. S., D. Sc., *Assoc. Ent.*

Insects Affecting Animals—Continued.**FIELD LABORATORIES—Continued.****Texas—Continued.****Sonora—**O. G. Babcock, B. S., *Asst. Ent.***Uvalde—**D. C. Parman, B. S., *Assoc. Ent.*R. A. Roberts, M. S., *Asst. Ent.*

Menard (branch of Dallas, Tex., lab.)—

E. C. Cushing, M. S., *Asst. Ent.***Illinois—Galesburg:**R. W. Wells, B. A., M. S., *Assoc. Ent.***Maryland—Beltsville:**H. S. Peters, M. S., *Asst. Ent.***Insects Affecting Animals—Continued.****North Dakota—Fargo:**W. G. Bruce, M. S., *Asst. Ent.***Insects Affecting Man.****FIELD LABORATORIES.****Louisiana—Mound:**W. V. King, B. S., Ph. D., *Sr. Ent., in charge.*G. H. Bradley, M. S., *Assoc. Ent.*T. E. McNeel, B. S., *Jr. Ent.*R. A. Robinson, B. S., *Jr. Chem.***California—Coachella:**D. G. Hall, M. S., *Asst. Ent.***BUREAU OF BIOLOGICAL SURVEY**Paul G. Redington, A. B., M. F., *Chief.*W. C. Henderson, A. B., LL. B., *Assoc. Chief.*W. H. Cheesman, Ph. B., *Ed., in charge of information and ed. work.*Paul H. Oehser, A. B., *Asst. Ed.*Lisle Morrison, *Sr. Admin. Asst., in charge of exhibits, photographs, and distribution of pubs.***BUSINESS OPERATIONS**E. J. Thompson, LL. M., *Sr. Admin. Asst., in charge.*E. J. Cohnan, LL. B., *Admin. Asst., in charge of acct.*W. D. Hobbs, A. B., *in charge of mails and files.*A. P. Weinerth, *in charge of property.***DIVISION OF BIOLOGICAL INVESTIGATIONS**W. B. Bell, M. S., Ph. D., *Sr. Biol., in charge.*E. A. Preble, *Sr. Biol., Asst. in charge.*E. A. Goldman, *Sr. Biol.*H. C. Oberholser, M. S., Ph. D., *Sr. Biol.*H. H. T. Jackson, M. A., Ph. D., *Sr. Biol.*A. H. Howell, *Sr. Biol.*F. C. Lincoln, *Assoc. Biol.*C. H. M. Barrett, *Sr. Sci. Aid., Taxidermist.*May T. Cooke, A. B., *Jr. Biol.*Jane S. Elliott,* *Sci. Aid.*Viola S. Snyder,* *Sci. Aid.***FIELD HEADQUARTERS.****Alaska:****Fairbanks—**L. J. Palmer, B. S., *Sr. Biol., in charge of Grazing Inv. and Reindeer Exp. Sta.***Nome—**W. B. Miller, M. S., *Asst. Range Exam.***Arizona—Tucson:**W. P. Taylor, B. S., Ph. D., *Sr. Biol., Field Natur.***District of Columbia—Washington:**Vernon Bailey, *Sr. Biol., Field Natur.***Minnesota—Minneapolis:**———, *Assoc. Biol., Field Natur.***North Carolina—Asheville:**———, *Assoc. Biol., Field Natur.***Wyoming, Jackson:**O. J. Murie, M. S., *Assoc. Biol., Field Natur.***DIVISION OF FOOD HABITS RESEARCH**W. L. McAtee, M. A., *Sr. Biol., in charge.***Relation of Native and Introduced Birds and Other Animals to Agriculture.**E. R. Kalmbach, *Sr. Biol.*A. K. Fisher, M. D., *Sr. Biol.*J. R. Malloch, A. B., *Assoc. Biol.*Phoebe Knappen, M. S., *Jr. Biol.*Clarence Cottam, M. S., *Jr. Biol.***FIELD HEADQUARTERS.****California—San Diego:**S. E. Piper, B. S., *Assoc. Biol.***Washington—Puyallup:**Theo. H. Sheffer, M. A., *Assoc. Biol.***Economic Investigations of Migratory Birds.**E. R. Kalmbach, *Sr. Biol.*Clarence Cottam, M. S., *Jr. Biol.***Food Resources of Migratory Bird Refuge Areas.**C. C. Sperry, A. B., *Assoc. Biol.*F. M. Uhler, A. B., *Asst. Biol.*Neil Hotchkiss, M. A., *Jr. Biol.*A. C. Martin, M. S., *Jr. Biol.*Fred A. Warren, B. S., *Jr. Biol.*L. E. Ekvall, A. B., *Jr. Biol.***Cooperative Studies, Welfare of Game Species.**H. L. Stoddard, *Coop. Agt.***DIVISION OF FUR RESOURCES**F. G. Ashbrook, B. S., *Sr. Biol., in charge.*J. E. Shillinger, M. S., D. V. M., *Sr. Biol. (infectious diseases of fur animals).***FIELD STATIONS.**

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Minnesota—Minneapolis:

Earle Dewey, M. D., *Agt. (infectious diseases of fur animals).*

FIELD STATIONS—Continued.

New York—Saratoga Springs (Fur Animal
Exp. Sta.):
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of Sta.

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AND RODENT CONTROL

Stanley P. Young, M. S., *Prin. Biol., in charge.*
W. E. Crouch, B. S. A., *Sr. Biol., Asst. in charge.*

Control Methods Research (Field).

California—Berkeley:
E. E. Horn, *Assoc. Biol., Dist. Inv.*
Colorado—Denver (lab. hdqrs.):
F. E. Garlough, A. B., *Biol., Leader.*
H. E. Williams, *Asst. Biol., Lab. Asst.*
J. C. Ward, B. S., *Agt., Pharmacologist.*
Maryland—Baltimore:
J. C. Munch, M. S., Ph. D., *Consult. Pharma-
cologist.*

Montana—Billings:
W. W. Smith, B. S., *Jr. Biol., Dist. Inv.*
New Mexico—Albuquerque:
S. E. Aldous, *Jr. Biol., Dist. Inv.*

Oregon—Portland:
A. W. Moore, *Jr. Biol., Dist. Inv.*

Control of Predatory Animals (in coop. with States)
(Field).

Alaska—Juneau:
R. K. Stewart, *Leader.*
H. H. Gubser, *Asst. Leader.*
Arizona—Phoenix:
M. E. Musgrave, *Leader.*
———, *Asst. Leader.*

Arkansas—Little Rock. (See also Oklahoma.):
C. F. Briggs, *Asst. Leader.*

California—Sacramento:
C. G. Poole, *Leader.*
A. A. Traub, *Agt.*
John Traub, *Asst. Leader.*

Colorado:
Denver (hdqrs. for Colo.)—
L. L. Laythe, B. S., *Assoc. Biol., Leader.*
Monte Vista—
J. W. Crook, *Asst. Leader.*
Montrose—
G. M. Trickel, *Asst. Leader.*

Idaho:
Dubois—
L. S. Twitchell, *Asst. Leader.*
Pocatello (hdqrs. for Idaho)—
L. J. Goldman, *Leader.*

Montana—Billings:
R. E. Bateman, *Leader.*
R. P. McFarland, *Asst. Leader.*

Nevada—Reno:
E. R. Sans, *Leader.*
A. L. Rasmussen, *Asst. Leader.*

New Mexico—Albuquerque:
A. E. Gray, *Assoc. Biol., Leader.*
Albert Pickens, *Agt.*

Oklahoma—Oklahoma City (hdqrs. for Okla. and
Ark.):
A. E. Gray, *Asst. Biol., Leader.*

FIELD STATIONS—Continued.

Oregon—Portland:
S. G. Jewett, *Leader.*
Elmer Williams, *Asst. Leader.*
H. W. Dobyns, *Asst. Leader.*

South Dakota—Rapid City:
Louis Knowles, *Leader.*

Texas:
Canyon—
O. L. Coleman, *Asst. Leader.*
San Antonio (hdqrs. for Tex.)—
C. R. Landon, *Leader.*
———, *Asst. Leader.*

Utah—Salt Lake City:
G. E. Holman, *Leader.*
Edward Rasmussen, *Asst. Leader.*
S. R. Dunham, *Agt.*

Washington—Olympia:
G. R. Bach, D. V. S., *Leader.*
L. L. England, *Agt.*

Wyoming:
Cheyenne (hdqrs. for Wyo.)—
A. M. Day, B. S., *Assoc. Biol., Leader.*
C. C. Skinner, *Jr. Leader.*
Orin Robinson, *Agt.*
Kemmerer—
H. P. Williams, *Asst. Leader.*
Lusk—
E. G. Albert, *Agt.*

Control of Injurious Rodents (in coop. with States).
EASTERN HEADQUARTERS.

District of Columbia—Washington (hdqrs. for
Eastern United States):
James Silver, *Assoc. Biol., Leader.*
F. N. Jarvis, *Biol. Aid.*

Indiana—Lafayette:
G. C. Oderkirk, B. S. A., *Jr. Biol., Asst.*
Leader, Ill., Ind., Ohio, Wis.

Massachusetts—Amherst:
E. M. Mills, B. S., *Jr. Biol., Asst. Leader.*
New England section.

Mississippi—A. and M. College (hdqrs. for
Miss., Ala., and La.):
Roy Moore, B. S., *Jr. Biol., Asst. Leader.*

North Carolina—Raleigh:
Carleton D. Schwartz, A. B., *Jr. Biol., Asst.*
Leader, North Carolina.

WESTERN HEADQUARTERS.

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Phoenix (hdqrs. for Ariz.)—
D. A. Gilchrist, *Biol., Leader.*
Tucson—
B. E. Foster, *Jr. Biol., Asst.*

California—Sacramento:
Joseph Keyes, B. S., *Asst. Biol., Leader.*
H. G. Hansen, *Jr. Biol., Asst.*

Colorado—Denver:
L. L. Laythe, B. S., *Assoc. Biol., Leader.*
D. D. Green, B. S., *Asst. Biol., Asst.*

Idaho:
Boise (hdqrs. for Idaho)—
T. B. Murray, *Asst. Biol., Leader.*
Pocatello—
P. T. Quick, *Jr. Biol., Asst.*
Wm. C. Riter, B. S. A., *Jr. Biol., Asst.*

Control of Injurious Rodents—Continued.**WESTERN HEADQUARTERS—Continued.****Montana—Bozeman:**O. E. Stephi, B. S., *Asst. Biol., Leader.*E. C. Cates, B. S. A., *Jr., Biol., Asst.***Nevada—Reno:**E. R. Sans, *Leader.*———, *Jr. Biol., Asst.***New Mexico—Albuquerque:**J. C. Gatlin, *Assoc. Biol., Leader.*Edward Edgington, B. S. A., *Jr. Biol., Asst.*J. F. Moyer, *Jr. Biol., Asst.***Oregon—Portland:**I. N. Gabrielson, A. B., *Asst. Biol., Leader.*Roy Fugate, *Jr. Biol., Asst.*J. E. Branson, *Agt.*A. M. Hupe, *Agt.***South Dakota—Rapid City (hdqrs. for S. Dak. and Nebr.):**Louis Knowles, *Leader.*H. H. Haecker, A. B., *Jr. Biol., Asst.***Texas:**

San Antonio (hdqrs. for Texas)—

L. C. Whitehead, B. S. A., *Asst. Biol., Leader.*D. A. Spencer, *Jr. Biol., Asst.*R. B. Hickerson, *Agt.***Dallas—**A. E. Oman, B. S., M. F., *Asst. Biol., Leader.***Utah—Salt Lake City:**R. S. Zimmerman, *Asst. Biol., Leader.*V. L. Johnson, *Agt.***Washington—Olympia (hdqrs. for Wash.)**L. K. Couch, B. S. A., *Asst. Biol., Leader.***Puyallup—**John Finley, B. S. A., *Jr. Biol., Asst.***Spokane—**John Conmore, *Agt.***Wyoming:**

Cheyenne (hdqrs. for Wyo.)—

A. M. Day, B. S., *Assoc. Biol., Leader.*A. Hamm, *Agt.***Lusk—**E. G. Albert, *Agt.***DIVISION OF GAME AND BIRD CONSERVATION**H. P. Sheldon, M. S., *U. S. Game Conserv. Off., in charge.*Talbot Denmead, LL. B., *Asst. U. S. Game Conserv. Off.*W. R. Dillon, *Asst. U. S. Game Conserv. Off.*E. P. Walker, *Asst. in Reserv. Admin.*F. L. Earnshaw, LL. B., *Admin. Asst.*F. P. Callaghan, LL. B., *Jr. Admin. Asst.*F. G. Grimes, Jr. *Admin. Asst.***GAME PROTECTION SERVICE (FIELD) (U. S. Game Protectors)****Alabama—Mobile:**

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Arkansas—Little Rock:

Geo. M. Riddick.

California—Berkeley:

George Tonkin.

¹ Cooperative protector.**Florida—Daytona Beach:**

J. V. Kelsey.

Georgia—Savannah:

E. B. Whitehead.

Illinois—Peoria:

K. F. Roahen.

Kentucky—Russellville:

S. W. Linebaugh.

Maine—Portland:

B. E. Smith.

Maryland—Cambridge:

O. D. Steele.

Minnesota—St. Paul:

B. J. Shaver.

Missouri:

Kansas City—

J. E. Perry.

St. Louis—

Harry Barmerier.

Montana—Billings:

Geo. E. Mushbach.

Nebraska—Omaha:

John Q. Holmes.

New Jersey—Pleasantville:

Albert Stadlmeir.

New Mexico—Socorro:

B. R. Britton.

New York—Owego:

P. S. Farnham.

North Carolina—New Bern:

Wm. L. Birsch.

Ohio—Columbus:

M. A. Charlton.

Oregon—Portland:

R. C. Steele.

Tennessee—Memphis:

L. J. Mrovka.

Texas—Houston:

Frank Clarkson.

Washington—Spokane:

Webster H. Ranson, A. B., M. S. F.

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Daytona Beach—

J. V. Kelsey, *Warden, Mosquito Inlet Reserv.***Georgia—Sapelo:**H. E. Coffin, D. E., *Warden, Blackbeard Island Reserv.¹*

Bird Refuges—Continued.

Georgia—Sapelo—Continued.

J. F. Casey, *Asst., Blackbeard Island Reserv.*¹Geo. N. Tharin, *Asst., Blackbeard Island Reserv.*¹

Hawaii—Honolulu:

———, *Hawaiian Islands Reserv.*

Idaho—Rupert:

C. F. Gleason, *Warden, Minidoka Reserv.*²

Missouri—Hornersville:

R. G. Hillhouse, *Warden, Big Lake Reserv., Ark.*

Montana:

Augusta—

M. C. Marvin, *Willow Creek Reserv.*²

Charlo—

C. H. Dexter, *Asst., Nine Pipe Reserv.*²

Moiese—

Frank H. Rose., *Protector, Nine Pipe and Pablo Reserv.*

Pablo—

F. C. Mayer, *Asst., Pablo Reserv.*²

Nebraska—Minatare:

W. R. Jones, *Warden, North Platte Reserv.*²

New Mexico:

Carlsbad—

L. E. Foster, *Carlsbad Reserv.*²J. P. Middleton, *Asst., Carlsbad Reserv.*²

Elephant Butte, via Engle—

R. J. Schmalhausen, *Rio Grande Reserv.*²

Lakewood—

H. C. Holcomb, *Asst., Carlsbad Reserv.*²

North Dakota:

Fort Totten—

W. D. Parker, *Protector, Chase Lake and Stump Lake Reserv.*

Pettibone—

Hugh Marston, *Asst., Chase Lake Reserv.*¹

Tolna—

H. J. Schindele, *Asst., Stump Lake Reserv.*¹

Oregon—Voltage:

G. M. Benson, *Protector, Lake Malheur Reserv.*

Washington—Conconully:

C. M. Conger, *Conconully Reserv.*²**Upper Mississippi River Wild Life and Fish Refuge.**

Minnesota—Winona (hdqrs.):

W. T. Cox, B. S., *Supt.*John A. Murphy, *Atty.*E. C. Hotchkiss, L.L. B., *Admin. Asst.*Leland S. French, *Abstr.*Harold B. Fitzsimmons, *Abstr.*Otto E. Mueller, *Reserv. Ranger.*Harley C. Lawrence, *Reserv. Ranger.*John L. Lundberg, *Reserv. Ranger.*G. H. Winslow, *Engineman.*J. A. Sauer, Jr., *Reserv. Ranger.*A. J. Cheney, Jr., *Reserv. Ranger.*H. F. Hall, Jr., *Reserv. Ranger.*Lars M. Pederson, *Dep. Reserv. Ranger.***Upper Mississippi River Wild Life and Fish Refuge—Continued.**

Minnesota—Winona—Continued.

Nels Nelson, *Dep. Reserv. Ranger.***Bear River Migratory-Bird Refuge.**

Utah:

Salt Lake City (hdqrs.)—

David H. Madsen, *Supt.*

Logan—

L. M. Winsor, M. S., D. S., *Engr.*Vanez Wilson, *Asst. Irrig. Engr.*Leslie Bowen, *Asst. Irrig. Engr.***REGULATION OF IMPORTATION OF BIRDS AND MAMMALS**T. S. Palmer, A. B., M. D., *Sr. Biol., in charge.***FIELD HEADQUARTERS OF IMPORTATION INSPECTORS.**

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Hawaii—Honolulu:

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L. A. Whitney.

Maryland—Baltimore:

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New York—New York:

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W. DeWitt Miller.

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B. R. Anderson, B. S., *Jr. Pl. Quar. Insp.*

C. P. Daley, B. S., *Jr. Pl. Quar. Insp.*

L. A. Roberts, B. S., *Jr. Pl. Quar. Insp.*

W. R. Sudduth, B. S., *Jr. Pl. Quar. Insp.*

Mexican Border Inspection Division—Continued.**FIELD HEADQUARTERS—Continued.****Texas—Continued.****Hidalgo—**

J. M. Singleton, B. S., *Asst. Pl. Quar. Insp., in charge.*

I. W. Berryhill, B. S., *Jr. Pl. Quar. Insp.*

L. A. Frost, *Jr. Pl. Quar. Insp.*

Laredo—

V. J. Shiner, B. S., *Assoc. Pl. Quar. Insp., in charge.*

B. C. House, B. S., *Asst. Pl. Quar. Insp.*

R. C. Bondy, B. S., *Jr. Pl. Quar. Insp.*

G. M. Jones, B. S., *Jr. Pl. Quar. Insp.*

H. R. Cary, *Sr. Fumigation Mech.*

Quarantine Station, District of Columbia.

Peter Bisset, *Sr. Hort., in charge.*

W. B. Wood, B. S., *Chief Insp.*

Norman Perrine, Ph. C., P. D., *Assoc. Chem.*

H. Y. Gouldman, B. S., *Asst. Pl. Quar. Insp.*

R. G. Cogswell, A. B., *Asst. Pl. Quar. Insp.*

D. P. Limber, B. S., M. S., *Asst. Pl. Quar. Insp.*

W. T. Owrey, B. S., *Asst. Pl. Quar. Insp.*

W. I. Whiton, B. S., *Asst. Pl. Quar. Insp.*

DOMESTIC PLANT QUARANTINES

For which no separate units have been organized

S. B. Fracker, A. B., M. S., Ph. D., *Prin. Pl. Quar. Admin., in charge.*

WHITE PINE BLISTER RUST

C. R. Stillinger, A. B., M. S., *Assoc. Path.*

Maude A. Thompson, *Jr. Pl. Quar. Insp.*

R. A. Sheals, B. S., *Assoc. Pl. Quar. Insp.*

PINK BOLLWORM AND THURBERIA WEEVIL

(Hdqrs., San Antonio, Tex.)

R. E. McDonald, *Prin. Admin. Off., in charge.*

S. D. Smith, *Pl. Quar. Insp.*

G. C. Bond, LL. B., *Assoc. Pl. Quar. Insp.*

J. S. Brock, B. S., *Assoc. Pl. Quar. Insp.*

R. W. White, B. S., *Assoc. Pl. Quar. Insp.*

G. W. Chowns, B. S., *Asst. Pl. Quar. Insp.*

L. F. Curl, B. S., *Asst. Pl. Quar. Insp.*

B. C. Graham, B. S., *Asst. Pl. Quar. Insp.*

G. G. Harris, B. S., *Asst. Pl. Quar. Insp.*

L. D. Harris, B. S., *Asst. Pl. Quar. Insp.*

F. I. Jeffrey, B. S., *Asst. Pl. Quar. Insp.*

A. C. Johnson, *Asst. Pl. Quar. Insp.*

D. M. McEachern, B. S., *Asst. Pl. Quar. Insp.*

J. B. Moore, B. S., *Asst. Pl. Quar. Insp.*

H. B. Prickett, *Asst. Pl. Quar. Insp.*

G. B. Ray, B. S., *Asst. Pl. Quar. Insp.*

W. F. Rice, *Asst. Pl. Quar. Insp.*

W. B. Rogers, *Asst. Pl. Quar. Insp.*

R. R. Rosa, B. S., *Asst. Pl. Quar. Insp.*

Ivan Shiller, B. S., M. S., *Asst. Pl. Quar. Insp.*

R. A. Vickery, B. A., M. A., *Asst. Ent.*

W. E. Von Rosenberg, B. S., *Asst. Pl. Quar. Insp.*

J. D. Waugh, B. S., *Asst. Pl. Quar. Insp.*

E. L. Wilde, B. S., *Asst. Pl. Quar. Insp.*

J. C. Woodward, B. S., *Asst. Pl. Quar. Insp.*

E. M. Dieffenbach, B. S., *Asst. Mech. Engr.*
 J. H. Adams, jr., B. S., *Jr. Pl. Quar. Insp.*
 T. R. Adkins, B. S., *Jr. Pl. Quar. Insp.*
 W. E. Ayers, *Jr. Pl. Quar. Insp.*
 W. C. Baker, B. S., *Jr. Pl. Quar. Insp.*
 L. B. Coffin, B. S., *Jr. Pl. Quar. Insp.*
 R. L. Eberhard, *Jr. Pl. Quar. Insp.*
 W. C. Edgeworth, B. S., *Jr. Pl. Quar. Insp.*
 K. R. Elliott, B. S., *Jr. Pl. Quar. Insp.*
 K. A. Gallant, B. S., *Jr. Pl. Quar. Insp.*
 S. P. Harrell, B. S., *Jr. Pl. Quar. Insp.*
 H. J. Henderson, B. S., *Jr. Pl. Quar. Insp.*
 E. Hobbs, B. S., M. S., *Jr. Pl. Quar. Insp.*
 C. H. Hoult, A. B., L. L. B., *Jr. Pl. Quar. Insp.*
 A. K. Inman, B. S., *Jr. Pl. Quar. Insp.*
 F. V. Irvin, B. S., *Jr. Pl. Quar. Insp.*
 G. F. McLain, B. S., *Jr. Pl. Quar. Insp.*
 W. C. Maxwell, B. S., *Jr. Pl. Quar. Insp.*
 M. S. Mirimanian, *Jr. Pl. Quar. Insp.*
 S. R. Morris, B. S., *Jr. Pl. Quar. Insp.*
 P. L. Netteville, B. S., *Jr. Pl. Quar. Insp.*
 R. G. Oakley, B. S., *Jr. Pl. Insp.*
 S. E. Poe, B. S., *Jr. Pl. Quar. Insp.*
 I. B. Rutledge, B. S., *Jr. Pl. Quar. Insp.*
 O. N. Todd, B. S., M. S., *Jr. Pl. Quar. Insp.*
 J. L. Walton, B. S., *Jr. Pl. Quar. Insp.*
 F. M. Wilson, *Jr. Pl. Quar. Insp.*
 J. S. Wilson, B. S., *Jr. Pl. Quar. Insp.*
 J. L. Wood, B. S., *Jr. Pl. Quar. Insp.*
 W. E. Gassett, *Sr. Sci. Aid.*

EUROPEAN CORN BORER

(Hdqrs.—Eastern section: Boston, Mass.; western section: Toledo, Ohio)

L. H. Worthley, *Prin. Admin. Off.*, in charge.

Eastern Section.

Connecticut—Bridgeport:

H. N. Bartley, B. S., *Ent*, in charge.
 G. P. Babson, *Prin. Field Aid.*
 M. J. Kelly, *Field Super. in Insect Control.*
 J. S. Stockbridge, *Field Super. in Insect Control.*
 Arthur Viall, *Field Super. in Insect Control.*
 T. M. Cannon, *Sr. Sci. Aid.*

Massachusetts—Boston:

R. S. Clifton, *Admin. Asst.*
 C. W. Lewis, *Prin. Sci. Aid.*
 F. L. Fall, *Prin. Field Aid.*
 W. J. Powers, *Field Super. in Insect Control.*

Western Section.

Ohio—Toledo:

E. G. Brewer, *Sr. Admin. Off.*, in charge.
 F. S. Puckett, B. S., *Sr. Admin. Off.*
 J. H. Harman, B. S., *Assoc. Ent.*
 C. P. Hartley, B. S., M. S., *Asst. Agron.*
 C. O. Larrabee, *Chief Field Aid.*
 J. W. Enwright, *Prin. Field Aid.*
 T. B. Heald, *Field Super. in Insect Control.*

MOTHS

(Hdqrs., Melrose Highlands, Mass.)

A. F. Burgess, M. S., *Prin. Ent.*, in charge of moth work.
 S. S. Crossman, B. S., *Sr. Ent.*
 H. B. Dalton, *Sr. Admin. Asst.*

Quarantine and Inspection.

J. N. Summers, B. S., Ph. D., *Admin. Off.*
 F. W. Graves, jr., *Sr. Admin. Asst.*
 W. J. Ahearn, *Sr. Sci. Aid.*
 I. L. Bailey, *Sr. Sci. Aid.*
 P. S. Coffin, *Sr. Sci. Aid.*
 C. M. Emerson, *Sr. Sci. Aid.*
 M. H. Feeney, *Sr. Sci. Aid.*
 G. J. Galvin, *Sr. Sci. Aid.*
 D. Harrington, *Sr. Sci. Aid.*
 J. Keefe, *Sr. Sci. Aid.*
 F. L. Keene, *Sr. Sci. Aid.*
 R. W. Kennedy, *Sr. Sci. Aid.*
 J. F. Keough, *Sr. Sci. Aid.*
 J. F. McDevitt, *Sr. Sci. Aid.*
 C. A. Manchester, *Sr. Sci. Aid.*
 P. H. Meagher, *Sr. Sci. Aid.*
 G. A. Miller, *Sr. Sci. Aid.*
 J. F. Murray, *Sr. Sci. Aid.*
 I. B. Newbegin, *Sr. Sci. Aid.*
 L. H. Noble, *Sr. Sci. Aid.*
 J. J. Roach, *Sr. Sci. Aid.*
 W. Sarsfield, *Sr. Sci. Aid.*
 A. C. Ward, *Sr. Sci. Aid.*
 H. L. Blaisdell, *Sr. Admin. Off.*
 L. E. Gibson, *Sr. Admin. Asst.*
 H. A. Ames, *Sr. Admin. Asst.*

Scouting and Extermination.

M. J. Anderson, *Field Super. in Insect Control.*
 F. N. Bancroft, *Field Super. in Insect Control.*
 F. C. Flint, *Field Super. in Insect Control.*
 F. W. Graham, *Field Super. in Insect Control.*
 W. H. Hanley, *Field Super. in Insect Control.*
 H. H. Harkins, *Field Super. in Insect Control.*
 G. N. Harris, *Field Super. in Insect Control.*
 R. M. Kittredge, *Field Super. in Insect Control.*
 F. C. McDonough, *Field Super. in Insect Control.*
 E. R. Manning, *Field Super. in Insect Control.*
 W. J. Nestle, *Field Super. in Insect Control.*
 O. C. Otis, *Field Super. in Insect Control.*
 J. W. Regan, *Field Super. in Insect Control.*
 F. C. Rich, *Field Super. in Insect Control.*
 W. W. Bancroft, *Prin. Sci. Aid.*
 H. N. Bean, *Prin. Sci. Aid.*
 C. T. Davis, *Prin. Sci. Aid.*
 C. A. McIsaac, *Prin. Sci. Aid.*
 S. E. May, *Prin. Sci. Aid.*
 D. G. Murphy, *Prin. Sci. Aid.*
 H. I. Winchester, *Prin. Sci. Aid.*
 W. A. Collins, *Sr. Sci. Aid.*
 J. A. Priest, *Sr. Sci. Aid.*

JAPANESE BEETLE

(Hdqrs., Camden, N. J.)

C. H. Hadley, B. S., *Prin. Admin. in Insect Control*, in charge.
 C. W. Stockwell, *Sr. Admin. Off.*
 R. W. Sherman, B. S., *Asst. Pl. Quar. Insp.*
 T. C. F. Cronin, B. S., *Jr. Pl. Quar. Insp.*
 V. A. Johnson, B. S., *Jr. Ent.*
 F. L. O'Rourke, B. S., *Jr. Ent.*
 W. C. Armstrong, *Field Super. in Insect Control.*
 W. N. Dobbs, *Field Super. in Insect Control.*
 F. G. Winn, *Field Super. in Insect Control.*
 W. A. Shinkwin, *Sci. Aid.*

W. E. Cranston, *Agt., in charge of guar. in Del.*
 J. K. Gould, *Agt., in charge of guar. in Pa.*
 G. K. Handle, *Agt., in charge of guar. in N. J.*
 J. P. Johnson, *Agt., in charge of guar. in Conn.*
 C. H. Zimmer, *Agt., in charge of guar. in N. Y.*

MEDITERRANEAN FRUIT FLY

NOTE.—The organization of the work against the Mediterranean fruit fly is not sufficiently stable to permit listing at this time. Dr. Wilmon Newell is in field charge of the quarantine and eradication work in Florida, and Mr. P. A. Hoidale is in field charge of the work being conducted in States other than Florida. Dr. A. C. Baker is in charge of investigational work in Florida.

MEXICAN FRUIT WORM

(Hdqrs., Harlingen, Tex.)

P. A. Hoidale, *Pl. Quar. Insp., in charge.*
 K. H. Townsend, *Assoc. Pl. Quar., Insp.*
 F. H. Benjamin, B. S., M. A., *Assoc. Pl. Quar. Insp.*
 M. H. Ford, B. S., *Assoc. Pl. Quar. Insp.*
 W. W. Decell, B. S., *Asst. Pl. Quar. Insp.*
 W. R. Heard, B. S., *Asst. Pl. Quar. Insp.*
 J. W. Patterson, B. S., *Asst. Pl. Quar. Insp.*
 E. F. Pepper, B. S., *Asst. Pl. Quar. Insp.*
 L. G. Plyler, B. S., *Asst. Pl. Quar. Insp.*

A. V. Smith, B. S., *Asst. Pl. Quar. Insp.*
 Adolph Thomae, B. S., *Asst. Pl. Quar. Insp.*
 F. O. Swan, B. S., *Asst. Pl. Quar. Insp.*
 J. B. Corns, B. S., *Sr. Pl. Quar. Aid.*
 T. M. Dobson, *Sr. Pl. Quar. Aid.*
 L. F. Greer, *Sr. Pl. Quar. Aid.*
 G. V. Hairen, *Sr. Pl. Quar. Aid.*

DATE PALM SCALE ERADICATION

(Hdqrs., Indio, Calif.)

B. L. Boyden, *Sr. Ent. in charge.*
 A. J. Shamblin, *Assoc. Hort.*
 C. H. Rothe, B. S., *Asst. Pl. Quar. Insp.*
 Robert Dickson, A. B., *Jr. Pl. Quar. Insp.*
 A. E. Frazier, B. S., *Jr. Pl. Quar. Insp.*
 Drew Jorgensen, B. S., M. S., *Jr. Pl. Quar. Insp.*
 L. J. Padget, B. S., *Jr. Pl. Quar. Insp.*
 J. E. Tuckett, A. B., *Jr. Pl. Quar. Insp.*
 I. C. Caswell, *Sr. Sci. Aid.*
 A. E. Cavanagh, *Sr. Sci. Aid.*
 C. T. Cordill, *Sci. Aid.*
 H. B. Ames, *Jr. Sci. Aid.*
 H. E. Bronson, *Jr. Sci. Aid.*
 W. N. Carl, *Jr. Sci. Aid.*
 C. T. Duncan, *Jr. Sci. Aid.*
 C. J. Frost, *Jr. Sci. Aid.*
 G. F. Fulkerson, *Jr. Sci. Aid.*
 M. E. Moore, *Jr. Sci. Aid.*
 C. T. Owsley, *Jr. Sci. Aid.*

GRAIN FUTURES ADMINISTRATION

J. W. T. Duvel, B. S., D. Sc., *Chief.*
 Rollin E. Smith, *Asst.*
 Albert Strack, *Admin. Asst.*

Grain Exchange Supervision.

California—Sacramento:

L. M. Jeffers, B. S., *Super. in charge.*

Illinois—Chicago:

Leslie A. Fitz, B. S., *Prin. Gr. Exchange Super., in charge.*

Joseph M. Mehl, L. L. M., M. P. S., *Sr. Gr. Exch. Super.*

Paul Mehl, B. S., M. S., *Sr. Agr. Econ.*

Harold S. Irwin, B. S., M. S., *Agr. Econ.*

Enos M. Blalock, C. P. A., *Asst. Chf. Acct.*

Grain Exchange Supervision—Continued.

Illinois—Chicago—Continued.

Arthur W. Mayo, C. P. A., *Prin. Acct.*

Michael M. Thul, *Jr. Super.*

Louise Freeman, * *Head Clerk.*

Minnesota—Minneapolis:

Jewett R. Mathewson, *Sr. Gr. Exch. Super., in charge.*

Missouri—Kansas City:

Wm. F. Logan, *Sr. Gr. Exch. Super., in charge.*

L. E. Wolf, *Jr. Agr. Stat.*

FOOD, DRUG, AND INSECTICIDE ADMINISTRATION

W. G. Campbell, A. B. LL. B., *Dir. of Regulatory Work, in charge.*
 P. B. Dunbar, B. S., M. S., Ph. D., *Asst. Chief.*
 F. B. Linton, *Asst. to Chief.*
 L. M. Clarke, *Chief Clerk.*
 Katharine A. Smith, A. B., *Ed.*

OFFICE OF INTERSTATE SUPERVISION

C. W. Crawford, B. S., M. S., *Prin. Chem., in charge.*
 L. D. Elliott, A. B., Ph. D., *Sr. Chem.*
 A. S. Mitchell, Phar. C., M. S., *Sr. Chem.*
 Martin Boyle, B. S., LL. B., *Assoc. Chem.*
 J. G. Shibley, LL. B., *Sr. Admin. Asst.*
 G. P. Larrick, *Admin. Asst.*

OFFICE OF IMPORT SUPERVISION

A. E. Taylor, A. B., A. M., Ph. D., *Sr. Chem., in charge.*
 Arthur Stengel, Phar. G., *Sr. Admin. Off.*

OFFICE OF STATE AND CITY COOPERATION

W. S. Frisbie, Ph. B., *Prin. Chem., in charge.*

FOOD CONTROL

R. W. Balcom, B. S., Ph. D., *Prin. Chem., in charge.*
 B. G. Hartmann, Ph. D., *Sr. Chem.*
 Fred Hillig, B. S., *Asst. Chem.*

Central Unit.

H. A. Lepper, B. S., *Chem.*
 V. B. Bonney, B. S., *Assoc. Chem.*
 S. C. Rowe, Ch. E., *Assoc. Chem.*
 P. A. Clifford, B. A., *Asst. Chem.*
 J. T. Keister, B. S., M. S., *Phar. D., Asst. Chem.*
 J. I. Palmore, B. S., M. S., *Asst. Chem.*
 Gordon Smith, B. S., *Jr. Chem.*

Cattle-Feed Unit.

G. L. Bidwell, B. S., *Chem.*
 M. R. Coe, B. S., M. S., *Asst. Chem.*

Water and Beverage Unit.

J. W. Sale, A. B., A. M., *Sr. Chem.*
 J. B. Wilson, A. B., *Assoc. Chem.*
 C. H. Badger, B. S., *Asst. Chem.*
 Anna E. Mix, *Phar. D., Jr. Chem.*
 W. O. Winkler, B. S., *Jr. Chem.*

Bacteriological Unit.

A. C. Hunter, B. S., M. S., *Ph. D., Sr. Bact.*
 B. A. Linden, *Jr. Bact.*
 L. W. Strasburger, B. S., *Jr. Bact.*

COLOR CERTIFICATION

H. T. Herrick, A. B., Ch. E., *Prin. Chem., in charge.*
 O. L. Evenson, B. S., A. M., *Assoc. Chem.*
 S. S. Forrest, B. S., *Jr. Chem.*
 R. H. Nagel, A. B., *Jr. Chem.*

DRUG CONTROL

J. J. Durrett, B. S., M. S., *Phar. G., M. D., Chief, Drug Control, in charge.*

Chemical Unit.

A. G. Murray, A. B., *Sr. Chem.*
 L. E. Warren, B. S., *Sr. Chem.*
 S. Palkin, M. S., Ph. B., *Ph. D., Chem.*
 H. Wales, A. B., A. M., *Ph. D., Assoc. Chem.*
 H. R. Watkins, A. B., M. S., *Assoc. Chem.*

Medical Unit.

P. McC. Lowell, A. B., M. D., D. P. H., D. T. M., *Sr. Med. Off.*
 G. E. Clarke, B. S., M. D., *Med. Off.*
 W. Frank Galatz, M. D., *Asst. Med. Off.*

Veterinary Unit.

H. E. Moskey, D. V. M., *Vet.*

Pharmacology Unit.

W. T. McClosky, A. B., *Pharmacol.*
 M. R. Thompson, *Asst. Pharmacol.*
 N. G. Barbella, A. B., *Jr. Pharmacol.*

MICROANALYTICAL LABORATORY

B. J. Howard, B. S., *Prin. Micros., in charge.*
 E. Alberta Read, A. B., A. M., *Ph. D., M. D., Sr. Microan.*
 G. L. Keenan, B. S., A. M., *Microan.*
 J. D. Wildman, A. B., A. M., *Jr. Microan.*

SPECIAL COLLABORATIVE INVESTIGATIONS

W. O. Emery, B. S., Ph. D., *Sr. Chem.*
 V. K. Chesnut, B. S., *Assoc. Chem.*
 C. D. Wright, A. B., A. M., *Ph. D., Asst. Chem.*
 A. C. Midthun, B. S., M. D., *Asst. Med. Adv.*

INSECTICIDE CONTROL

C. C. McDonnell, B. S., *Sc. D., Prin. Chem., in charge.*

Chemical and Bacteriological Unit.

W. D. Lynch, B. S., LL. B., *Sr. Chem.*
 J. J. T. Graham, B. S., M. S., *Sr. Chem.*
 E. L. Griffin, A. B., B. S., M. S., *Ph. D., Sr. Chem.*
 C. M. Smith, B. S., *Sr. Chem.*
 H. H. Custis, A. B., A. M., *Ph. D., Chem.*
 W. J. Morgan, B. S., M. S., *Assoc. Chem.*
 A. C. Nothstine, B. S., *Assoc. Chem.*
 F. A. Spurr, B. S., M. S., *Asst. Chem.*
 C. M. Brewer, B. S., M. S., *Asst. Bact.*
 Richard Edge, B. S., *Jr. Chem.*
 E. H. Hamilton, B. S., *Jr. Chem.*
 R. D. Stanley, B. A., *Jr. Chem.*
 W. W. Walton, B. S., *Jr. Chem.*

Plant Pathological Unit.

E. Wallace, B. S. A., M. S. A., *Ph. D., Sr. Path.*
 F. P. Schlatter, B. S., *Assoc. Path.*
 FIELD HEADQUARTERS.
 New Jersey—Haddon Heights:
 D. P. Perry, B. S., *Assoc. Path.*
 Oregon—Corvallis:
 F. D. Bailey, A. B., A. M., *Assoc. Path.*

Animal Pathological Unit.

G. C. Roe, A. B., M. S., *Assoc. Zool.*

Entomological Unit.

FIELD HEADQUARTERS.
 Maryland—Silver Spring:
 W. S. Abbott, B. S., *Sr. Ent.*
 W. M. Davidson, B. S., M. S., *Assoc. Ent.*
 Wallace Colman, A. B., M. S., *Asst. Ent.*
 G. D. Reynolds, B. S., *Jr. Ent.*
 Florida—Lake Alfred:
 L. J. Bottimer, B. S., *Asst. Ent.*

NAVAL STORES CONTROL

F. P. Veitch, B. S., M. S., *Sc. D., Prin. Chem., in charge.*
 V. E. Grotlich, Ch. E., *Assoc. Naval Stores Classifier.*
 FIELD HEADQUARTERS.
 Alabama—Mobile:
 S. W. Pickens, *Asst. Naval Stores Classifier.*
 Georgia—Savannah:
 H. M. King, *Assoc. Naval Stores Classifier.*
 Louisiana:
 DeRidder—
 G. A. Berry, *Asst. Naval Stores Classifier.*
 F. W. Thomas, *Asst. Naval Stores Classifier.*
 Mississippi—Gulfport:
 R. L. Helveston, *Asst. Naval Stores Classifier.*
 New York—New York:
 C. E. Smith, *Assoc. Naval Stores Classifier.*

FIELD INSPECTION SERVICE

Eastern District (Hdqrs., New York, N. Y.).

W. R. M. Wharton, A. B., A. M., *Chief of Dist.*
 C. O. Dodge, B. S., *Sr. Chem., Asst. to Chief.*
 A. E. Lowe, *Asst. to Chief.*
 C. A. Herrmann, A. B., *Assoc. Chem.*
 H. B. Mead, Ph. B., *Assoc. Chem.*

STATIONS.

Georgia—Savannah:

J. J. McManus, Phar. G., Phar. D., *Chief of Sta.*
 Dan Dable, Ch. E., *Asst. Chem.*
 H. I. Macomber, B. S., *Asst. Chem.*
 W. H. Simms, B. S., *Asst. Chem.*
 L. A. Smith, Phar. D., *Sr. Insp.*
 F. B. McAuliffe, *Insp.*

Maryland—Baltimore:

D. M. Walsh, B. S., A. M., *Chief of Sta.*
 T. F. Pappe, A. B., *Chem.*
 F. L. Elliott, B. S., *Assoc. Chem.*
 W. S. Hubbard, Ph. G., B. S., M. A., Ph. D.,
Assoc. Chem.
 E. L. Anderson, A. B., *Asst. Chem.*
 E. H. Grant, B. S., *Asst. Chem.*
 R. L. Herd, B. S., *Jr. Chem.*
 W. C. Woodfin, B. S., *Jr. Chem.*
 C. E. Holton, M. D., *Chief Insp.*
 B. R. Minshall, Phar. G., *Sr. Insp.*
 L. L. Judge, *Sr. Insp.*
 T. R. Ennis, *Insp.*
 C. F. J. O'Neill, *Insp.*

Massachusetts—Boston:

G. H. Adams, Phar. G., *Chief of Sta.*
 E. L. P. Treuthardt, B. S., *Assoc. Chem.*
 H. W. Haynes, B. S., *Asst. Chem.*
 C. H. Hickey, B. S., *Asst. Chem.*
 P. L. Leavitt, B. S., *Jr. Chem.*
 F. T. Bestwick, *Sr. Insp.*
 F. H. Gray, *Sr. Insp.*
 C. A. Wood, *Sr. Insp.*
 E. C. Griswold, *Tea Exam.*

New York:

Buffalo—

F. L. Wollard, *Chief of Sta.*
 W. H. Heath, B. S., *Chem.*
 L. W. Ferris, A. B., *Assoc. Chem.*
 W. C. Miller, *Sr. Insp.*
 C. C. Sullivan, B. S., *Sr. Insp.*

New York—

Joseph Callaway, jr., B. S., M. S., *Chief of Sta.*

J. A. Cummings, A. B., *Chem.*
 H. D. Grigsby, B. S., *Chem.*
 G. C. Swan, A. B., A. M., *Chem.*
 J. Feldbaum, B. S., *Assoc. Chem.*
 C. F. Jablonski, B. S., *Assoc. Chem.*
 W. E. Kirby, B. S., A. M., *Assoc. Chem.*
 J. F. Clevenger, B. S., A. M., *Asst. Plant His.*
 J. C. Bubb, A. B., *Asst. Chem.*
 L. Katz, *Asst. Chem.*
 M. L. Offutt, B. S., A. M., *Asst. Chem.*
 Ray Powers, B. S., *Asst. Chem.*
 D. B. Scott, A. B., A. M., *Asst. Chem.*
 B. B. Wright, B. S., *Asst. Chem.*
 A. Alter, B. S., A. M., *Jr. Chem.*

Eastern District—Continued.

STATIONS—Continued.

New York—Continued.

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ORIGINAL ARTICLES

THE EFFECT OF THE VARIOUS TYPES OF EXERCISE ON THE

HEART AND CIRCULATION

J. H. HARRIS, M.D., and J. H. HARRIS, JR., M.D.,
of the University of Chicago, Chicago, Ill.

Read at the meeting of the American Medical Association, Chicago, Ill., May 1914.

S

The following is a summary of the results of the

investigation of the effect of the various types of exercise on the

heart and circulation, as reported by J. H. Harris, M.D., and

J. H. Harris, Jr., M.D., of the University of Chicago, Chicago, Ill.

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